

DTIC FILE COPY

AD-A166 255

RESEARCH PRODUCT 82-14

1

MISSION BASED ANALYSES OF ARMOR TRAINING
REQUIREMENTS. VOLUME V: RELATIONSHIPS
AMONG COLLECTIVE AND INDIVIDUAL TASKS
IN TANK PLATOON OPERATIONS

ARI FIELD UNIT AT FORT KNOX, KENTUCKY

April 1982

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited



U.S. ARMY RESEARCH INSTITUTE for the BEHAVIORAL and SOCIAL SCIENCES

86 44 041

DTIC
SELECTED
S APR 4 1986 D
B

**U. S. ARMY RESEARCH INSTITUTE
FOR THE BEHAVIORAL AND SOCIAL SCIENCES**
**A Field Operating Agency under the Jurisdiction of the
Deputy Chief of Staff for Personnel**

JOSEPH ZEIDNER
Technical Director

L. NEALE COSBY
Colonel, IN
Commander

Research accomplished under contract to
the Department of the Army

Human Resources Research Organization (HumRRO)

NOTICES

FINAL DISPOSITION: This Research Product may be destroyed when it is no longer needed. Please do not return it to the U.S. Army Research Institute for the Behavioral and Social Sciences.

NOTE: This Research Product is not to be construed as an official Department of the Army document in its present form.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM																
1. REPORT NUMBER RESEARCH PRODUCT 82-14	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER																
4. TITLE (and Subtitle) MISSION-BASED ANALYSES OF ARMOR TRAINING REQUIREMENTS. VOLUME V: RELATIONSHIPS AMONG COLLECTIVE AND INDIVIDUAL TASKS IN TANK PLATOON OPERATIONS		5. TYPE OF REPORT & PERIOD COVERED Final Report Jan 1980 - Feb 1981																
7. AUTHOR(s) Richard E. O'Brien and Eugene H. Drucker		6. PERFORMING ORG. REPORT NUMBER FR-MTRD(KY)-81-2 8. CONTRACT OR GRANT NUMBER(s) MDA 903-80-C-0229																
9. PERFORMING ORGANIZATION NAME AND ADDRESS Human Resources Research Organization 300 North Washington Street Alexandria, VA 22314		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS Project Element 63743A Project 2Q263743A794 Task 1E, WU 002																
11. CONTROLLING OFFICE NAME AND ADDRESS US Army Research Institute for the Behavioral and Social Sciences. 5001 Eisenhower Ave. Alexandria, VA 22333		12. REPORT DATE April 1982																
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES 309																
		15. SECURITY CLASS. (of this report) UNCLASSIFIED																
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE																
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited																		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																		
18. SUPPLEMENTARY NOTES Research performed by HumRRO, Fort Knox Office, P.O. Box 293, Fort Knox, Kentucky 40121, and monitored by David W. Bessemer, ARI Field Unit at Fort Knox.																		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Armor</td> <td style="width: 25%;">Armor Missions</td> <td style="width: 25%;">Leadership</td> <td style="width: 25%;">Platoon Tasks</td> </tr> <tr> <td>Tanks</td> <td>Tank Platoons</td> <td>Armor Operations</td> <td>Collective Training</td> </tr> <tr> <td>Armor Training</td> <td>Tank Team</td> <td>Platoon Drills</td> <td>Tank Commander</td> </tr> <tr> <td>Platoon Operations</td> <td>Platoon Leader</td> <td>Crew Tasks</td> <td>Mission Analysis</td> </tr> </table>			Armor	Armor Missions	Leadership	Platoon Tasks	Tanks	Tank Platoons	Armor Operations	Collective Training	Armor Training	Tank Team	Platoon Drills	Tank Commander	Platoon Operations	Platoon Leader	Crew Tasks	Mission Analysis
Armor	Armor Missions	Leadership	Platoon Tasks															
Tanks	Tank Platoons	Armor Operations	Collective Training															
Armor Training	Tank Team	Platoon Drills	Tank Commander															
Platoon Operations	Platoon Leader	Crew Tasks	Mission Analysis															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A detailed analysis was conducted of armor operations to provide the basis for developing a set of platoon drills for combined individual and collective armor training. The analysis provided information on the stages of armor operations, the individual and collective tasks that are performed during each stage, training objectives for these tasks, leadership tasks that are performed during each stage, and the types of factors that affect armor operations during combat.																		

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

item 20, continued

An analysis of armor operations was conducted to identify, classify, and interrelate the activities performed during tank platoon missions. Volume V* of this report contains (1) lists of platoon and crew tasks performed during the platoon operations identified in the analysis, (2) lists of the individual and crew task components of each platoon task, and (3) lists of the individual task components of each crew task.

Other reports in the series are as follows:

- Volume I: Final Report
- Volume II: Armor Operation Time Sequences
- Volume III: Leadership Tasks Performed During Tank Platoon Operations
- Volume IV: Crewman Tasks Performed During Tank Platoon Operations
- *Volume V: Relationships Among Collective and Individual Tasks in
Tank Platoon Operations
- Volume VI: Training Objectives for Tank Platoons and Crews
- Volume VII: Training Objectives for the XML Loader

Accession For	
NTIS GRAFI	✓
DTIC Type	
Unpublished	
Justified	
By	
Distributed	
Available	
Dist	
A-1	



FOREWORD

This is Volume V of the Final Report of a project entitled Mission-Based Simulation and Training Requirements. This volume contains (1) lists of platoon and crew tasks performed during the tank platoon operations identified in an analysis of armor operations, (2) lists of the individual and crew task components of each platoon task, and (3) lists of the individual task components of each crew task. The other volumes of the Final Report are Volume I: Final Report; Volume II: Armor Operation Time Sequences; Volume III: Leadership Tasks Performed During Tank Platoon Operations; Volume IV: Crewman Tasks Performed During Tank Platoon Operations; Volume VI: Training Objectives for Tank Platoons and Crews; Volume VII: Training Objectives for the XML Loader.

The work reported here was performed at the Fort Knox Office of the Human Resources Research Organization (HumRRO), under Contract No. 903-80-C-0229 with the US Army Research Institute for the Behavioral and Social Sciences (ARI). Dr. David W. Bessemer was the Contracting Officer's Technical Representative and provided administrative assistance and guidance.

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
Purpose	1
PROCEDURE	2
STAGES OF ARMOR OPERATIONS	2
Missions and Mission Phases	2
Team Operations and Team Operation Phases	2
Platoon Operations	3
IDENTIFICATION OF COLLECTIVE TASKS PERFORMED DURING EACH PLATOON OPERATION	3
Identification of Platoon Tasks	3
Identification of Crew Tasks	4
IDENTIFICATION OF THE COMPONENTS OF COLLECTIVE TASKS	4
APPENDIXES	
A. Tank Platoon Tasks	5
B. Crew Tasks	59
C. Platoon Task Components	120
D. Crew Task Components	265

INTRODUCTION

The requirement to attain and sustain higher levels of combat readiness has increased the difficulties involved in the management of armor training. The difficulties stem from the additional training needed to reach and maintain these higher levels of readiness. The recent emphasis upon collective training has created still further difficulties since collective training exercises must be incorporated into training schedules that are already overcrowded.

A potential solution to this problem is to combine individual and collective training. This can be accomplished by providing opportunities to practice individual skills during collective training exercises. The combination of individual and collective training could be further improved by assessing both individual and collective performance during the training exercises, and by correcting performance deficiencies either during or after the exercises.

Platoon drills provide a potentially suitable context for combining individual and collective training. A platoon drill is a platoon level training exercise in which the different elements of a platoon practice coordination. The goal of a platoon drill is to enable these elements to react quickly and automatically with a minimum of communications from the platoon leader. Since ultimately the drill must facilitate platoon performance during combat, it is essential that the activities performed during a platoon drill correspond to those performed in combat. This correspondence can be assured by first identifying both the stages of combat operations and the individual and collective tasks performed during each stage. Platoon drills can then be developed that will correspond to different stages of combat, and training can be provided for both the individual and collective tasks that occur during these stages.

While performance deficiencies can be detected during a platoon drill by observing the outcomes or products of task performance, additional information is required to determine the cause of the deficiencies. To determine the cause of a deficiency in the performance of an individual task, it is necessary to compare the steps that were actually followed during the performance of the task with the steps that should have been followed. To determine the cause of a deficiency in the performance of a collective task, it is necessary to compare the actual performance of each contributor to the collective task with the performance that each contributor should have exhibited.

Purpose

There are two purposes for the research described in this volume. The first purpose is to identify the collective tasks performed during the different stages of combat. This information, when combined with similar information on individual tasks, could then serve as the basis for developing a series of platoon drills suitable for use in combined individual and collective training. The results of research conducted to identify the individual tasks performed during the different stages of combat are contained in Volume IV of this report.

The second purpose is to determine the components of collective tasks so that diagnoses of performance deficiencies can be made during the platoon drills. In particular, it was the purpose of this research to determine the crew and individual tasks that are performed during each platoon task, and to determine the individual tasks that are performed during each crew task.

PROCEDURE

The procedure that was followed to accomplish these purposes was to first identify the stages of armor operations and to select the operational stage that would serve as the basis for the platoon drills. Next, the platoon and crew tasks normally performed during each stage were identified. Finally, the platoon and crew tasks were examined, and the underlying tasks comprising each of these collective tasks were determined.

STAGES OF ARMOR OPERATIONS

The identification of the stages of armor operations was accomplished during an analysis of armor operations. The analysis is described in Volume I of this report, and diagrams and flow charts summarizing the analysis are contained in Volume II.

Missions and Mission Phases

The analysis of armor operations was conducted to identify, classify and interrelate the activities performed during tank platoon missions. A mission was defined as a specific goal that was assigned to a military unit by the commander of the unit at the next higher echelon. Since the number of such goals was assumed to be inherently large, it was concluded that the number of platoon missions was too extensive to serve as the focal point of the analysis. The first step in the analysis, therefore, was to identify the categories or clusters of activities that normally occur during the performance of these missions. Six such categories were identified--offense, defense, assembly areas, plan operations, conduct movement, and sustaining operations. These categories were labeled "mission phases" since the clusters occur at different times and represent different stages of mission performance. The four mission phases pertaining to activities conducted in support of offense and defense (i.e., assembly areas, plan operations, conduct movement, and sustaining operations" were collectively referred to as the "supporting mission phases".

Team Operations and Team Operation Phases

The analysis of armor operations focused on a tank team containing armor and infantry platoons. Since missions are assigned to platoons by the team commander to facilitate the performance of the team mission, it was concluded that the analysis of platoon operations must begin with an analysis of team operations. The strategy was to first identify the team operations that are normally performed during each mission phase. Once these were identified, the next step was to identify the platoon operations normally occurring during each team operation.

Tank team operations were identified during an examination of FM 71-1, The Tank Mechanized Infantry Company Team, June 1977. The description of the conduct of each operation was then examined to identify its phases. A team operation phase represents a cluster of activities that occur during different stages of a team operation. While some activities may occur during two or more phases of a team operation, the combination of activities performed during each phase tend to be unique and are intended to accomplish different subgoals.

Upon identifying the team operations and their phases, an analysis was conducted of the activities that occur during each operation. The focal point of this analysis was the team commander. From the descriptions of team operations, the command, control, and communications functions of the team commander were identified and placed into the sequence in which they would normally occur. The types of stimuli initiating each leadership act were derived from consideration of the combat situation. Team tasks were then identified by determining the specific team activities that would result from each command issued by the commander.

Platoon Operations

After the team operations and their phases were identified, the analysis was continued by examining the activities that occur at the platoon level. Descriptions of team operations were reviewed to identify the platoon operations that are conducted during each team operation phase. A platoon operation was defined as a coordinated set of activities that could be performed by a single tank platoon that would enable the platoon to accomplish the goal assigned to it by the team commander.

IDENTIFICATION OF COLLECTIVE TASKS PERFORMED DURING EACH PLATOON OPERATION

Based on an analysis of armor operations, the decision was made that the platoon operation was the most suitable stage of combat for the preparation of platoon drills. The next step, therefore, was to identify the collective tasks performed during each platoon operation.

Identification of Platoon Tasks

The platoon tasks performed during each platoon operation were identified during the analyses of platoon operations. The focal point of the analysis was the platoon leader. From the descriptions of armor operations contained in FM 71-1, The Tank Mechanized Infantry Company Team, June 1977, the command, control, and communications functions of the platoon leader were identified and placed into the sequence in which they would normally occur. Platoon tasks were identified by determining the specific platoon activities that would result from each command issued by the platoon leader. Lists of platoon tasks normally performed during each platoon operation are presented in Appendix A by mission phase, team operation, and team operation phase. An alphabetical list of these tasks is contained in Volume I of this report.

Identification of Crew Tasks

A crew task was defined as any task performed by two or more members of the same tank crew that required simultaneous or sequential coordinations between the crewmen. The tasks were identified by examining descriptions of armor activities and determining which activities could be performed only by the coordinated efforts of two or more members of the same tank crew. To determine which crew tasks would normally be performed during each platoon operation, judgments were made based on descriptions of armor operations in FM 71-1. Lists of crew tasks normally performed during each platoon operation are presented in Appendix B by mission phase, team operation, and team operation phase. An alphabetical list of these tasks is contained in Volume I of this report.

IDENTIFICATION OF THE COMPONENTS OF COLLECTIVE TASKS

Since there were no existing descriptions of platoon or crew tasks, the identification of the components of these tasks were based on judgments. The crew tasks, tank commander tasks, gunner tasks, driver tasks, and loader tasks performed during each platoon task are contained in Appendix C. The tank commander tasks, gunner tasks, driver tasks, and loader tasks performed during each crew task are contained in Appendix D.

APPENDIX A
TANK PLATOON TASKS

TANK PLATOON TASKS PERFORMED DURING EACH PLATOON
OPERATION BY TEAM OPERATION AND TEAM OPERATION PHASE

OFFENSE

MOVEMENT TO CONTACT

MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Cross line of departure
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch
15. Cross critical points

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Correct interval with lead platoon
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch

ACTION ON CONTACT PHASE

Immediate Action (Lead Platoon)

1. Pop Smoke
2. Deploy into Defilade Position
3. Engage enemy

Develop Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Deploy into overwatch position
2. Engage enemy
3. Reengage enemy
4. Continue direct fire
5. Move into support position
6. Move into attack position
7. Prepare hasty defense positon
8. Complete bypass preparation

HASTY ATTACK

SUPPRESSIVE FIRES PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Move into suppressive fire position
2. Open fire
3. Continue suppressive fires

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Shift suppressive fires
2. Continue suppressive fires on flank target
3. Engage flank targets of opportunity
4. Engage surprise targets
5. Cease fire
6. Hold position
7. Join team on objective

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Move into attack position
2. Move into attack formation
3. Move out of attack position
4. Continue bounding overwatch
5. Engage targets of opportunity
6. Conduct fire and maneuver
7. Accelerate the attack
8. Continue the attack

Conduct the Assault (Fire and Maneuver Platoon)

1. Move into assault formation
2. Start the assault
3. Continue the assault

BYPASS

SUPPRESSIVE FIRES PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Move into suppressive fire position
2. Move tanks to good fields of fire
3. Continue firing preparations

Suppressive Enemy Direct Fires (Suppressive Fire Platoon)

1. Open fire
2. Continue suppressive fires
3. Hold position
4. Pop smoke
5. Initiate withdrawal
6. Complete withdrawal
7. Initiate bypass
8. Continue bypass
9. Join team in bypass

CONDUCT BYPASS & CONTINUE MOVEMENT TO CONTACT PHASE

Bypass Enemy Position (Following Platoon)

1. Hold position
2. Complete bypass preparations
3. Initiate bypass
4. Accelerate to maximum speed
5. Continue bounding overwatch

Continue Movement to Contact (Following Platoon)

1. Conduct movement to contact

HOLDING

OCCUPY HASTY DEFENSE PHASE

Withdraw to Defensive Position (Lead Platoon)

1. Deploy into defilade position
2. Move tanks to good fields of fire

Occupy Hasty Defensive position (Following Platoon)

1. Deploy into defilade position
2. Move tanks to good fields of fire

Support Withdrawal of Lead Platoon (Following Platoon)

1. Hold position
2. Engage enemy
3. Continue suppressive fires
4. Cease fire

DEFEND POSITION PHASE

Engage Targets of Opportunity

1. Maintain Surveillance
2. Engage enemy

Mass Platoon Fire on Enemy Attack

1. Engage enemy with depth fire
2. Engage enemy with frontal fire
3. Continue frontal fire
4. Engage targets of opportunity
5. Hold position

DELIBERATE ATTACK

SUPPRESSIVE FIRES PHASE

Move to Occupy Suppressive Fire Position (Suppressive Fire Platoon)

1. Cross start point
2. Conduct specified movement
3. Execute traveling
4. Execute traveling overwatch
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch
15. Cross critical points
16. Cross release point
17. Move into suppressive fire position
18. Move tanks into firing position

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Open fire
2. Engage enemy
3. Reengage enemy
4. Continue suppressive fires

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Shift suppressive fires
2. Continue suppressive fires on flank targets
3. Engage targets of opportunity
4. Cease fire
5. Hold position
6. Join team on objective

FIRE AND MANEUVER PHASE

Move to Cross Line of Departure (Fire and Maneuver Platoon)

1. Correct interval with lead platoon
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch
15. Cross release point
16. Conduct passage of lines
17. Move into attack position
18. Cross line of departure

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Conduct fire and maneuver
2. Accelerate the attack
3. Cross phase lines

ASSAULT PHASE

Support Breeching Operation (Fire and Maneuver Platoon)

1. Move to position to support breeching operation
2. Engage enemy covering obstacles
3. Hold covering fire position
4. Pass through the breech
5. Continue the attack
6. Accelerate the attack

Conduct the Assault (Fire and Maneuver Platoon)

1. Move into assault formation
2. Start the assault
3. Continue the Assault

EXPLOITATION AND PURSUIT

MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Cross line of departure
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue appropriate movement
13. Move out in previous formation
14. Execute bounding overwatch
15. Cross critical points

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Correct interval with lead platoon
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch

ACTION ON CONTACT PHASE

Immediate Action (Lead Platoon)

1. Pop smoke
2. Deploy into defilade position
3. Engage enemy

Develop Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Deploy into overwatch position
2. Engage enemy
3. Reengage enemy
4. Continue direct fire
5. Move into support position
6. Move into attack position
7. Prepare hasty defense position
8. Complete bypass preparation

TANK PLATOON TASKS PERFORMED DURING EACH PLATOON
OPERATION BY TEAM OPERATION AND TEAM OPERATION PHASE

DEFENSE

OCCUPY BATTLE POSITION

MOVE TO BATTLE POSITION PHASE

Move to Platoon Battle Position

1. Conduct specified movement
2. Execute traveling overwatch
3. Execute traveling
4. Cross start point
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Execute coil formation
10. Execute herringbone formation
11. Continue coil or herringbone formation
12. Move out in previous formation
13. Execute bounding overwatch
14. Continue appropriate movement
15. Cross critical points
16. Cross release point

OCCUPY AND ORGANIZE BATTLE POSITION PHASE

Occupy Platoon Battle Position

1. Move into designated position
2. Position tanks to cover avenues of approach
3. Move tanks into turret defilade
4. Post ground guards
5. Post air guards
6. Camouflage tanks

Organize Platoon Battle Position

1. Move tanks to good fields of fire
2. Prepare range cards
3. Prepare alternate positions
4. Complete battle position
5. Maintain battle readiness

DEFEND BATTLE POSITION

SURVEILLANCE PHASE

Maintain Surveillance in Platoon Sector

1. Maintain surveillance

INDIRECT FIRE PHASE

Initiate Indirect Fires in Platoon Sector

1. Maintain surveillance

DIRECT FIRE PHASE

Initiate Direct Fires in Platoon Sector

1. Hold fire
2. Open fire
3. Reengage enemy
4. Engage targets of opportunity
5. Continue to defend position

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver

1. Move to the flank
2. Move into flank position
3. Open fire
4. Conduct fire and maneuver
5. Continue fire
6. Continue fire and maneuver
7. Deploy into defilade position
8. Engage targets of opportunity
9. Hold position
10. Cease fire
11. Join team on battle position

COUNTERATTACK PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Move into suppressive fire position
2. Open fire
3. Continue Suppressive fire

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Shift suppressive fires
2. Continue suppressive fires on flank targets
3. Engage targets of opportunity
4. Engage surprise targets
5. Cease fire
6. Hold position
7. Join team on objective

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Move into attack position
2. Move into attack formation
3. Move out of attack position
4. Continue bounding overwatch
5. Engage targets of opportunity
6. Conduct fire and maneuver
7. Accelerate the attack
8. Continue the attack

Conduct the Assault (Fire and Maneuver Platoon)

1. Move into assault formation
2. Start the assault
3. Continue the assault

DISPLACE TO ALTERNATE BATTLE POSITION

MOVE TO ALTERNATE BATTLE POSITION PHASE

Move to Platoon Battle Position

1. Conduct specified movement
2. Execute traveling overwatch
3. Execute traveling
4. Cross start point
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Execute coil formation
10. Execute herringbone formation
11. Continue coil or herringbone formation
12. Move out in previous formation
13. Execute bounding overwatch
14. Continue appropriate movement
15. Cross critical points
16. Cross release point

OCCUPY PLATOON BATTLE POSITION PHASE

Occupy Platoon Battle Position

1. Move into designated position
2. Position tanks to cover avenues of approach
3. Move tanks into turret defilade
4. Post ground guards
5. Post air guards
6. Camouflage tanks

Organize Platoon Battle Position

1. Move tanks to good fields of fire
2. Prepare range cards
3. Prepare alternate positions
4. Complete battle position
5. Maintain battle readiness

WITHDRAW

COVERING FIRE PHASE

Screening Smoke (Initial Withdrawal Platoon)

1. Hold position
2. Pop smoke
3. Engage enemy

Move to the Rear (Initial Withdrawal Platoon)

1. Execute bounding reverse overwatch
2. Execute traveling reverse overwatch
3. Continue traveling reverse overwatch
4. Execute traveling

BREAKING CONTACT PHASE

Initiate Suppressive Direct Fires (Covering Platoon)

1. Hold covering fire position
2. Initiate covering fires
3. Maintain covering fires

Screening Smoke (Covering Platoon)

1. Hold covering fire position
2. Pop smoke
3. Engage enemy

Move to the Rear (Covering Platoon)

1. Execute bounding reverse overwatch
2. Execute traveling reverse overwatch
3. Continue traveling reverse overwatch
4. Execute traveling

DELAY

SURVEILLANCE PHASE

Maintain Surveillance in Platoon Sector

1. Maintain surveillance

INDIRECT FIRE PHASE

Initiate Indirect Fire in Platoon Sector

1. Maintain surveillance

DIRECT FIRE PHASE

Initiate Direct Fires in Platoon Sector

1. Hold fire
2. Open fire
3. Reengage enemy
4. Engage targets of opportunity
5. Continue to defend position

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Initial Withdrawing Platoon)

1. Hold position

Conduct Fire and Maneuver (Covering Platoon)

1. Hold position

COUNTERATTACK PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Move into suppressive fire position
2. Open fire
3. Continue suppressive fire

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Shift suppressive fires
2. Continue suppressive fires on flank targets

3. Engage targets of opportunity
4. Engage surprise targets
5. Cease fire
6. Hold position
7. Join team on objective

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Move into attack position
2. Move into attack formation
3. Move out of attack position
4. Continue bounding overwatch
5. Engage targets of opportunity
6. Conduct fire and maneuver
7. Accelerate the attack
8. Continue the attack

Conduct the Assault (Fire and Maneuver Platoon)

1. Move into assault formation
2. Start the assault
3. Continue the assault

WITHDRAWAL PHASE

Screening Smoke (Initial Withdrawal Platoon)

1. Pop smoke

Break Contact

1. Initiate displacement
2. Continue bounding reverse overwatch

Move to Successive Delay Position

1. Continue bounding reverse overwatch
2. Execute traveling reverse overwatch
3. Continue traveling reverse overwatch
4. Continue appropriate movement
5. Occupy successive delay position

Organize Successive Delay Position

1. Cover avenues of approach
2. Move tanks into turret defilade
3. Post ground guards
4. Post air guards
5. Camouflage tanks
6. Prepare range cards
7. Prepare alternate positions
8. Complete battle position
9. Maintain battle readiness

Support Withdrawing Platoon (Covering Platoon)

1. Hold covering fire position
2. Initiate covering fires
3. Maintain covering fires

Screening Smoke (Covering Platoon)

1. Pop smoke

COUNTERATTACK

SUPPRESSIVE FIRES PHASE

Engage Enemy on Objective (Suppressive Fires Platoon)

1. Move into suppressive fire position
2. Open fire
3. Continue suppressive fire

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Shift suppressive fires
2. Continue suppressive fires on flank targets
3. Engage targets of opportunity
4. Engage surprise targets
5. Cease fire
6. Hold position
7. Join team on objective

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Move into attack position
2. Move into attack formation
3. Move out of attack position
4. Continue bounding overwatch
5. Engage targets of opportunity
6. Conduct fire and maneuver
7. Accelerate the attack
8. Continue the attack

Conduct the Assault (Fire and Maneuver Platoon)

1. Move into assault formation
2. Start the assault
3. Continue the assault

TANK PLATOON TASKS PERFORMED DURING EACH PLATOON
OPERATION BY TEAM OPERATION AND TEAM OPERATION PHASE

SUPPORT

TANK PLATOON TASKS

SUPPORT

OCCUPY REAR ASSEMBLY AREA

MOVE INTO ASSEMBLY AREA PHASE

Move Into Platoon Area

1. Move into area rapidly
2. Occupy assigned area

ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

Organize Defense of Platoon Area

1. Post ground guards
2. Post air guards
3. Position tanks to cover avenues of approach
4. Camouflage tanks

CONDUCT SUSTAINING ACTIONS PHASE

Conduct Platoon Sustaining Actions

1. Complete resupply
2. Complete after operations maintenance
3. Conduct pre-fire checks

OCCUPY FORWARD ASSEMBLY AREA

MOVE INTO ASSEMBLY AREA PHASE

Move Into Platoon Area

1. Move into area rapidly
2. Occupy assigned area

ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

Organize Defense of Platoon Area

1. Post ground guards
2. Post air guards
3. Position tanks to cover avenues of approach
4. Move tanks into turret defilade
5. Camouflage tanks
6. Prepare range cards
7. Prepare individual positions

CONDUCT SUSTAINING ACTIONS PHASE

Conduct Platoon Sustaining Actions

1. Complete resupply
2. Complete after operations maintenance
3. Conduct pre-fire checks

PLAN OFFENSIVE OPERATIONS

RECEIPT OF WARNING ORDER PHASE

Receipt of Warning Order

1. Initiate readiness actions

RECEIPT OF OPERATION ORDER PHASE

Receipt of Operation Order

1. Continue readiness actions
2. Initiate movement

COMPLETE READINESS PHASE

Complete Readiness Actions

1. Conduct pre-fire checks
2. Complete resupply
3. Complete after operations maintenance
4. Complete communications operational checks

PLAN DEFENSIVE OPERATIONS

RECEIPT OF WARNING ORDER PHASE

Receipt of Warning Order

1. Initiate readiness actions

RECEIPT OF OPERATIONS ORDER PHASE

Receipt of Operation Order

1. Continue readiness actions
2. Initiate movement

COMPLETE READINESS PHASE

Complete Readiness Actions

1. Conduct pre-fire checks
2. Complete resupply
3. Complete after operations maintenance
4. Complete communications operational checks

ADMINISTRATIVE ROAD MARCH

DEPART OLD AREA PHASE

Depart Old Area

1. Complete readiness
2. Cross start point

MOVEMENT PHASE

Move Along Route

1. Correct interval between tanks
2. Correct speed of tanks
3. Conduct scheduled halt
4. Complete at halt maintenance
5. Continue the march

ARRIVE NEW AREA PHASE

Arrive New Area

1. Cross release point

TACTICAL ROAD MARCH

DEPART OLD AREA PHASE

Depart Old Area

1. Complete readiness
2. Cross start point

MOVEMENT PHASE

Move Along Route

1. Correct interval between tanks
2. Correct speed of tanks
3. Orient main guns
4. Maintain alert air guards
5. Conduct scheduled halt
6. Execute coil or herringbone formation
7. Complete at halt maintenance
8. Continue the march

ARRIVE NEW AREA PHASE

Arrive New Area

1. Cross release point

TACTICAL MOVEMENT

CONDUCT TACTICAL MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Cross line of departure
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch
15. Cross critical points

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Correct interval with lead platoon
2. Conduct specified movement
3. Execute traveling overwatch
4. Execute traveling
5. Correct interval between tanks
6. Correct speed of tanks
7. Orient main guns
8. Maintain alert air guards
9. Continue appropriate movement
10. Execute coil formation
11. Execute herringbone formation
12. Continue coil or herringbone formation
13. Move out in previous formation
14. Execute bounding overwatch

CONSOLIDATE ON OBJECTIVE

SWEET ENEMY FROM OBJECTIVE PHASE

Sweep Enemy From Platoon Sector

1. Destroy enemy on objective
2. Move tanks into turret defilade
3. Tie in flank tanks with other team elements

PREPARE FOR ENEMY COUNTERATTACK PHASE

Prepare for Enemy Counterattack

1. Position tanks to cover avenues of approach
2. Move tanks into turret defilade
3. Camouflage tanks

PREPARE TO CONTINUE ATTACK PHASE

Prepare to Continue Attack

1. Provide supply data
2. Complete after operations maintenance
3. Complete communications operational checks
4. Organize 3-man crews

REORGANIZE

CONDUCT RESUPPLY PHASE

Receive Class I, III, and V Supplies

1. Distribute supplies

PERFORM MAINTENANCE PHASE

Perform Maintenance and Emergency Repairs

1. Complete after operations maintenance
2. Complete emergency repairs

REESTABLISH COMMUNICATIONS PHASE

Reestablish Communications with TCs

REASSIGN PERSONNEL PHASE

Reassign Personnel

1. Organize 3-man crews

APPENDIX B

CREW TASKS

CREW TASKS PERFORMED DURING EACH PLATOON OPERATION
BY TEAM OPERATION AND TEAM OPERATION PHASE

OFFENSE

MOVEMENT TO CONTACT

MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

ACTION ON CONTACT PHASE

Immediate Action (Lead Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom
12. Evade an ATGM

Develop the Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Fire a simultaneous engagement
2. Fire a multiple engagement
3. Drive tank from one position to another
4. Pull into a hull-defilade position
5. Pull into a concealed position
6. Maintain tank's position within the platoon
7. Evade an ATGM
8. Cross various obstacles
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom

HASTY ATTACK

SUPPRESSIVE FIRES PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Fire the main gun
2. Drive tank from one position to another
3. Pull into a hull-defilade postion
4. Pull into a turret-defilade position
5. Pull into a concealed position
6. Maintain tank's position within the platoon
7. Cross various obstacles
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom
10. Fire a simultaneous engagement
11. Fire a multiple engagement
12. Evade an ATGM

Shift Suppressive Fires (Suppressive Fires Platoon)

1. Fire the main gun
2. Drive tank from one position to another
3. Pull into a hull-defilade position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Fire a simultaneous engagement
8. Fire a multiple engagement
9. Evade an ATGM

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Drive tank from one position to another
6. Pull into a hull-defilade position

7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom
11. Fire a simultaneous engagement
12. Fire a multiple engagement
13. Evade an ATGM

Conduct the Assault (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Cross various obstacles
10. Fire a simultaneous engagement
11. Fire a multiple engagement

BYPASS

SUPPRESSIVE FIRES PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Drive tank from one position to another
4. Pull into a hull-defilade position
5. Pull into a concealed position
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Fire a simultaneous engagement
10. Fire a multiple engagement
11. Evade an ATGM

Suppress Enemy Direct Fires (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Pull into a hull-defilade position
7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Evade an ATGM
10. Cross various obstacles
11. Search for targets in assigned sector
12. Communicate with other crewmen on intercom

CONTINUE BYPASS AND CONTINUE MOVEMENT TO CONTACT PHASE

Bypass Enemy Position (Following Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one positon to another
6. Pull into a hull-defilade position

7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Evade an ATGM
10. Cross various obstacles
11. Search for targets in assigned sector
12. Communicate with other crewmen on intercom
13. Fire the Cal .50 machinegun from a moving tank
14. Fire the loader's machinegun from a moving tank

Continue Movement to Contact (Following Platoon)

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom
6. Pull into a hull-defilade position
7. Pull into a concealed position

HOLDING

OCCUPY HASTY DEFENSE PHASE

Withdraw to Defensive Position (Lead Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Pull into a hull-defilade position
6. Pull into a concealed position
7. Maintain tank's position within the platoon
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom
10. Evade an ATGM

Occupy Hasty Defense Position (Following Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Pull into a hull-defilade position
6. Pull into a concealed position
7. Maintain tank's position within the platoon
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom
10. Evade an ATGM

Support Withdraw of Lead Platoon (Following Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evade an ATGM

DEFEND POSITION PHASE

Engage Targets of Opportunity

1. Fire the main gun
2. Fire the coaxial engagement
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evade an ATGM

Mass Platoon Fire on Enemy Attack

1. Fire the main gun
2. Fire the coaxial engagement
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evade an ATGM

DELIBERATE ATTACK

SUPPRESSIVE FIRES PHASE

Move to and Occupy Suppressive Fire Position (Suppressive Fire Platoon)

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom
6. Pull into a concealed position
7. Pull into a turret defilade position
8. Pull into a hull-defilade position

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Drive tank from one position to another
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evade and ATCM

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Drive tank from one position to another
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evade an ATGM

FIRE AND MANEUVER PHASE

Move to and Cross Line of Departure (Fire and Maneuver Platoon)

1. Fire the main gun

2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving target
4. Fire the loader's machinegun from a moving target
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom
12. Evade an ATGM
13. Pull into hull-defilade position
14. Pull into a concealed position

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets
10. Communicate with other crewmen on intercom
11. Evade an ATGM
12. Pull into a hull-defilade position
13. Pull into a concealed position

ASSAULT PHASE

Support Breaching Operation (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another

6. Maintain tank's position within the platoon
7. Search for targets
8. Communicate with other crewmen on intercom
9. Pull into a defilade position

Conduct the Assault (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets
10. Communicate with other crewmen on intercom
11. Cross various obstacles

EXPLOITATION AND PURSUIT

MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade positon
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

ACTION ON CONTACT PHASE

Immediate Action (Lead Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom
12. Evade an ATGM

Develop the Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Drive tank from one position to another
5. Pull into a hull-defilade position
6. Pull into a concealed position
7. Maintain tank's position within the platoon
8. Evade an ATGM
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom

CREW TASKS PERFORMED DURING EACH PLATOON OPERATION
BY TEAM OPERATION AND TEAM OPERATION PHASE

DEFENSE

OCCUPY BATTLE POSITION

MOVE TO BATTLE POSITION PHASE

Move to Platoon Battle Position

1. Drive tank from one position to another
2. Pull into a concealed position
3. Maintain tank's position within the platoon
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom
6. Pull into a hull-defilade position
7. Cross various obstacles

OCCUPY AND ORGANIZE BATTLE POSITION PHASE

Occupy Platoon Battle Position

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Camouflage tank

Organize Platoon Battle Position

1. Drive tank from one position to another
2. Pull into a turret-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Conduct prepare-to-fire checks

DEFEND BATTLE POSITION

SURVEILLANCE PHASE

Maintain Surveillance in Platoon Sector

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

INDIRECT FIRE PHASE

Initiate Indirect Fires in Platoon Sector

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

DIRECT FIRE PHASE

Initiate Direct Fire in Platoon Sector

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another

Conduct Fire and Maneuver, Continued

8. Pull into a hull-defilade position
9. Pull into a concealed position
10. Maintain tank's position within the platoon
11. Evade an ATGM
12. Cross various obstacles
13. Search for targets in assigned sector
14. Communicate with other crewmen on intercom

COUNTERATTACK PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Evade an ATGM
5. Pull into hull-defilade position
6. Pull into turret-defilade position
7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Drive tank from one position to another
5. Pull into a hull-defilade position
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evade an ATGM

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Evade an ATGM
8. Drive tank from one position to another
9. Pull into a hull-defilade position
10. Pull into a concealed position
11. Maintain tank's position within the platoon
12. Search for targets in assigned sector
13. Communicate with other crewmen on intercom

Conduct the Assault (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 Machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom
11. Cross various obstacles

DISPLACE TO ALTERNATE BATTLE POSITION

MOVE TO ALTERNATE BATTLE POSITION PHASE

Move to Platoon Battle Position

1. Drive tank from one position to another
2. Cross various obstacles
3. Pull into a concealed position
4. Pull into a hull-defilade position
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

OCCUPY AND ORGANIZE BATTLE POSITION PHASE

Occupy Platoon Battle Position

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Camouflage tank

Organize Platoon Battle Position

1. Drive tank from one position to another
2. Drive into a turret-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Conduct prepare-to-fire checks

WITHDRAW

COVERING FIRE PHASE

Screening Smoke (Initial Withdrawal Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Evade an ATGM
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom

Move to the Rear (Initial Withdrawal Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Maintain tank's position within the platoon
4. Evade an ATGM
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

BREAKING CONTACT PHASE

Initiate Suppressive Direct Fires (Covering Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Pull into a hull-defilade position
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evade an ATGM

Screening Smoke (Covering Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Evade an ATGM
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom

Move to the Rear (Covering Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Maintain tank's position within the platoon
4. Cross various obstacles
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom

DELAY

SURVEILLANCE PHASE

Maintain Surveillance in Platoon Sector

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

INDIRECT FIRE PHASE

Initiate Indirect Fire in Platoon Sector

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

DIRECT FIRE PHASE

Initiate Direct Fire in Platoon Sector

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evade an ATGM

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Initial Withdrawal Platoon - High Risk Condition)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Maintain tank's position within the platoon
5. Evade an ATGM
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

Conduct Fire and Maneuver (Initial Withdrawal Platoon - Low Risk Condition)

1. Maintain tank's position within the platoon
2. Evade an ATGM
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom

Conduct Fire and Maneuver (Covering Platoon - High Risk Condition)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Evade an ATGM
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom

Conduct Fire and Maneuver (Covering Platoon - Low Risk Condition)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Maintain tank's position within the platoon
5. Evade an ATGM
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

COUNTERATTACK PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Evade an ATGM
5. Pull into hull-defilade position
6. Pull into turret-defilade position
7. Pull into a concealed position

Engage Enemy on Objective (Suppressive Fire Platoon), Continued

8. Maintain tank's position within the platoon
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Drive tank from one position to another
5. Pull into a hull-defilade position
6. Maintain tank's position within the platoon
7. Evade an ATGM
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Pull into a hull-defilade position
9. Maintain tank's position within the platoon
10. Evade an ATGM
11. Pull into a concealed position
12. Search for targets in assigned sector
13. Communicate with other crewmen on intercom

Conduct the Assault (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Pull into a hull-defilade position
9. Maintain tank's position within the platoon
10. Cross various obstacles
11. Search for targets in assigned sector
12. Communicate with other crewmen on intercom

WITHDRAWAL PHASE

Screening Smoke (Initial Withdrawal Platoon)

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

Break Contact

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Maintain tank's position within the platoon
4. Cross various obstacles
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom

Move to Successive Delay Position

1. Drive tank from one position to another
2. Pull into a concealed position
3. Pull into a hull-defilade position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

Organize Successive Delay Position

1. Drive tank from one position to another
2. Pull into a turret-defilade position
3. Maintain tank's position within the platoon
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom
6. Camouflage tank

Support Withdrawal Platoon (Covering Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Pull into a hull-defilade position
6. Maintain tank's position within the platoon
7. Evade an ATGM
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom

Screening Smoke (Covering Platoon)

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

COUNTERATTACK

SUPPRESSIVE FIRES PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Evade an ATGM
5. Pull into a hull-defilade position
6. Pull into a turret-defilade position
7. Pull into a concealed position
8. Maintain tank's position within the platoon
9. Cross various obstacles
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Fire the main gun
2. Fire a simultaneous engagement
3. Fire a multiple engagement
4. Drive tank from one position to another
5. Pull into a hull-defilade position
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evade an ATGM

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank

Conduct Fire and Maneuver (Fire and Maneuver Platoon), Continued

5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Evade an ATGM
8. Drive tank from one position to another
9. Pull into a hull-defilade position
10. Pull into a concealed position
11. Maintain tank's position within the platoon
12. Search for targets in assigned sector
13. Communicate with other crewmen on intercom

Conduct the Assault (Fire and Maneuver Platoon)

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom
11. Cross various obstacles

CREW TASKS PERFORMED DURING EACH PLATOON OPERATION
BY TEAM OPERATION AND TEAM OPERATION PHASE

SUPPORT

OCCUPY REAR ASSEMBLY AREA

MOVE INTO ASSEMBLY AREA PHASE

Move Into Platoon Area

1. Drive tank from one position to another
2. Pull into a concealed position
3. Maintain tank's position within the platoon
4. Communicate with other crewmen on intercom

ORGANIZE DEFENSE ASSEMBLY AREA PHASE

Organize Defense of Platoon Area

1. Drive tank from one position to another
2. Communicate with other crewmen on intercom
3. Pull into a concealed position
4. Camouflage tank

CONDUCT SUSTAINING ACTIONS PHASE

Conduct Platoon Sustaining Actions

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

OCCUPY FORWARD ASSEMBLY AREA

MOVE INTO ASSEMBLY AREA PHASE

Move Into Platoon Area

1. Drive tank from one position to another
2. Pull into a concealed position
3. Maintain tank's position within the platoon
4. Communicate with other crewmen on intercom

ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

Organize Defense of Platoon Area

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Communicate with other crewmen on intercom
5. Camouflage tank

CONDUCT SUSTAINING ACTIONS PHASE

Conduct Platoon Sustaining Actions

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

PLAN OFFENSIVE OPERATIONS

RECEIPT OF WARNING ORDER PHASE

Receipt of Warning Order

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

RECEIPT OF OPERATION ORDER PHASE

Receipt of Operation Order

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

COMPLETE READINESS PHASE

Complete Readiness Actions

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

PLAN DEFENSIVE OPERATIONS

RECEIPT OF WARNING ORDER PHASE

Receipt of Warning Order

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

RECEIPT OF OPERATION ORDER PHASE

Receipt of Operation Order

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

COMPLETE READINESS PHASE

Complete Readiness Actions

1. Conduct prepare-to-fire checks
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

ADMINISTRATIVE ROAD MARCH

DEPART OLD AREA PHASE

Depart Old Area

1. Drive tank from one position to another.
2. Maintain tank's position within the platoon
3. Communicate with other crewmen on intercom

MOVEMENT PHASE

Move Along Route

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Communicate with other crewmen on intercom

ARRIVE NEW AREA PHASE

Arrive New Area

1. Drive tank from one position to another
2. Maintain tank's positon within the platoon
3. Communicate with other crewmen on intercom

TACTICAL ROAD MARCH

DEPART OLD AREA PHASE

Depart Old Area

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Communicate with other crewmen on intercom

MOVEMENT PHASE

Move Along Route

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom

ARRIVE NEW AREA PHASE

Arrive New Area

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Communicate with other crewmen on intercom

TACTICAL MOVEMENT

CONDUCT TACTICAL MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

CONSOLIDATE ON OBJECTIVE

SWEET ENEMY FROM OBJECTIVE PHASE

Sweep Enemy From Platoon Sector

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the loader's machinegun from a moving tank
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Cross various obstacles
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom

PREPARE FOR ENEMY COUNTERATTACK PHASE

Prepare for Enemy Counterattack

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a turret-defilade position
4. Pull into a concealed position
5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

PREPARE TO CONTINUE ATTACK PHASE

Prepare to Continue Attack

1. Communicate with other crewmen on intercom
2. Resupply ammunition
3. Refuel tank
4. Perform maintenance

REORGANIZE

CONDUCT RESUPPLY PHASE

Receive Class I, III, and V Supplies

1. Resupply ammunition
2. Refuel tank

PERFORM MAINTENANCE PHASE

Perform Maintenance and Emergency Repairs

1. Perform maintenance

REESTABLISH COMMUNICATIONS PHASE

Reestablish Communications with TCs

1. Communicate with other crewmen on intercom

REASSIGN PERSONNEL PHASE

Reassign Personnel

APPENDIX C
PLATOON TASK COMPONENTS

CREW TASKS PERFORMED DURING EACH PLATOON TASK

CREW TASKS

1. Camouflage tank
2. Communicate with other crewmen on intercom
3. Conduct a water crossing
4. Conduct prepare-to-fire checks
5. Cross various obstacles
6. Drive tank from one position to another
7. Evacuate wounded crewmen
8. Evade an ATGM
9. Fire a multiple engagement
10. Fire a simultaneous engagement
11. Fire the coaxial machinegun
12. Fire the Cal .50 machinegun from a moving tank
13. Fire the Loader's machinegun from a moving tank
14. Fire the main gun
15. Fire the main gun - emergency mode
16. Fire the main gun - manual mode
17. Maintain tank's position within the platoon
18. Perform user maintenance
19. Prepare tank after a water crossing
20. Prepare tank for biological attack
21. Prepare tank for chemical attack
22. Prepare tank for nuclear attack
23. Prepare tank for water crossing
24. Pull tank into a concealed position
25. Pull tank into a hull defilade position
26. Pull tank into a turret defilade position
27. Refuel tank
28. Resupply ammunition
29. Search for targets in assigned sector
30. Take action upon misfire (main gun)
31. Take action upon stoppage (coaxial machinegun)

1. ACCELERATE THE ATTACK

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom

2. ACCELERATE TO MAXIMUM SPEED

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom

3. CAMOUFLAGE TANKS

1. Camouflage tank
2. Communicate with other crewmen on intercom

4. CEASE FIRE

1. Maintain tanks position within the platoon
2. Search for targets in assigned sector
3. Communicate with other crewmen on intercom

5. COMPLETE AFTER OPERATION MAINTENANCE

1. Perform user maintenance

6. COMPLETE AT HALT MAINTENANCE

1. Communicate with other crewmen on intercom
2. Perform user maintenance

7. COMPLETE BATTLE POSITION

1. Pull into a hull-defilade position
2. Maintain tank's position with the platoon
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom
5. Prepare tank for biological attack
6. Prepare tank for chemical attack
7. Prepare tank for nuclear attack

8. COMPLETE BYPASS PREPARATION

1. Drive tank from one position to another
2. Search for targets in assigned sector
3. Communicate with other crewmen on intercom

9. COMPLETE COMMUNICATION OPERATIONAL CHECKS

1. Communicate with other crewmen on intercom

10. COMPLETE EMERGENCY REPAIRS

1. Perform user maintenance

11. COMPLETE READINESS

1. Communicate with other crewmen on intercom
2. Conduct prepare-to-fire checks
3. Resupply ammunition
4. Refuel tank
5. Perform user maintenance

12. COMPLETE RESUPPLY

1. Resupply ammunition
2. Refuel tank

13. COMPLETE WITHDRAWAL

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

14. CONDUCT FIRE AND MANEUVER

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Evade an ATGM
10. Cross various obstacles
11. Search for targets in assigned sector
12. Communicate with other crewmen on intercom
13. Pull into a hull-defilade position
14. Evacuate wounded crewmen
15. Fire main gun - manual mode
16. Fire main gun - emergency mode
17. Take action upon a misfire (main gun)
18. Take action upon a stoppage (coax)

15. CONDUCT MOVEMENT TO CONTACT

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom
6. Prepare tank for water crossing
7. Conduct a water crossing
8. Prepare tank after a water crossing

16. CONDUCT PASSAGE OF LINES

1. Drive tank from one position to another
2. Maintain tank's position within the platoon

17. CONDUCT PRE-FIRE CHECKS

1. Conduct prepare-to-fire checks
2. Perform user maintenance

18. CONDUCT SCHEDULED HALT

1. Maintain tank's position within the platoon
2. Communicate with other crewmen on intercom

19. CONDUCT SPECIFIED MOVEMENT

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

20. CONTINUE APPROPRIATE MOVEMENT

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

21. CONTINUE BOUNDING OVERWATCH

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

22. CONTINUE BOUNDING REVERSE OVERWATCH

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

23. CONTINUE BYPASS

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

24. CONTINUE COIL OR HERRINGBONE FORMATION

1. Maintain tank's position within the platoon
2. Search for targets in assigned sector
3. Communicate with other crewmen on intercom

25. CONTINUE DIRECT FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Pull into a hull-defilade position
9. Pull into a concealed position
10. Maintain tank's position within the platoon
11. Cross various obstacles
12. Search for targets in assigned sector
13. Communicate with other crewmen on intercom
14. Evacuate wounded crewmen
15. Fire main gun - manual mode
16. Fire main gun - emergency mode
17. Take action upon a misfire (main gun)
18. Take action upon a stoppage (coax)

26. CONTINUE FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement

6. Fire a multiple engagement
7. Maintain tank's position within the platoon
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom

27. CONTINUE FIRE AND MANEUVER

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Evade an ATGM
10. Cross various obstacles
11. Search for targets in assigned sector
12. Communicate with other crewmen on intercom
13. Pull into a hull-defilade position
14. Evacuate wounded crewmen
15. Fire main gun - manual mode
16. Fire main gun - emergency mode
17. Take action upon a misfire (main gun)
18. Take action upon a stoppage (coax)

28. CONTINUE FIRING PREPARATIONS

1. Drive tank from one position to another
2. Pull into a concealed position
3. Pull into a hull-defilade position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom

29. CONTINUE FRONTAL FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement

5. Maintain tank's position within the platoon
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom
8. Evacuate wounded crewmen
9. Fire main gun - manual mode
10. Fire main gun - emergency mode
11. Take action upon a misfire (main gun)
12. Take action upon a stoppage (coax)

30. CONTINUE READINESS ACTIONS

1. Communicate with other crewmen on intercom
2. Conduct prepare-to-fire checks
3. Resupply ammunition
4. Refuel tank
5. Perform user maintenance

31. CONTINUE SUPPRESSIVE FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Pull into a hull-defilade position
7. Maintain tank's position within the platoon
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom
10. Evacuate wounded crewmen
11. Fire main gun - manual mode
12. Fire main gun - emergency mode
13. Take action upon a misfire (main gun)
14. Take action upon a stoppage (coax)

32. CONTINUE SUPPRESSIVE FIRES ON FLANK TARGETS

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement

5. Drive tank from one position to another
6. Pull into a hull-down position
7. Maintain tank's position within the platoon
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom
10. Evacuate wounded crewmen
11. Fire main gun - manual mode
12. Fire main gun - emergency mode
13. Take action upon a misfire (main gun)
14. Take action upon a stoppage (coax)

33. CONTINUE THE ASSAULT

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom

34. CONTINUE THE ATTACK

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Search for targets in assigned sector
10. Communicate with other crewmen on intercom

35. CONTINUE THE MARCH

1. Drive tank from one position to another
2. Maintain tank's position within the platoon

3. Communicate with other crewmen on intercom
36. CONTINUE TO DEFEND POSITION
1. Fire the main gun
 2. Fire the coaxial machinegun
 3. Fire a simultaneous engagement
 4. Fire a multiple engagement
 5. Drive tank from one position to another
 6. Pull into a hull-defilade position
 7. Maintain tank's position within the platoon
 8. Cross various obstacles
 9. Search for targets in assigned sector
 10. Communicate with other crewmen on intercom
37. CONTINUE TRAVELING REVERSE OVERWATCH
1. Drive tank from one position to another
 2. Maintain tank's position within the platoon
 3. Cross various obstacles
 4. Search for targets in assigned sector
 5. Communicate with other crewmen on intercom
38. CORRECT INTERVAL BETWEEN TANKS
1. Drive tank from one position to another
 2. Maintain tank's position within the platoon
 3. Search for targets in assigned sector
 4. Communicate with other crewmen on intercom
39. CORRECT INTERVAL WITH LEAD PLATOON
1. Drive tank from one position to another
 2. Maintain tank's position within the platoon
 3. Cross various obstacles
 4. Communicate with other crewmen on intercom
40. CORRECT SPEED OF TANKS
1. Drive tank from one position to another
 2. Maintain tank's position within the platoon
 3. Search for targets in assigned sector
 4. Communicate with other crewmen on intercom

41. CROSS CRITICAL POINTS

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

42. CROSS LINE OF DEPARTURE

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

43. CROSS PHASE LINES

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

44. CROSS RELEASE POINT

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Communicate with other crewmen on intercom

45. CROSS START POINT

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom

46. DEPLOY INTO DEFILADE POSITION

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Maintain tank's position within the platoon
4. Cross various obstacles
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom

47. DEPLOY INTO OVERWATCH POSITION

1. Drive tank from one position to another
2. Cross various obstacles
3. Search for targets in assigned sector
4. Pull into a concealed position
5. Pull into a turret-defilade position
6. Pull into a hull-defilade position
7. Communicate with other crewmen on intercom

48. DESTROY ENEMY ON OBJECTIVE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Maintain tank's position within the platoon
9. Evade an ATGM
10. Cross various obstacles
11. Search for targets in assigned sectors
12. Communicate with other crewmen on intercom
13. Evacuate wounded crewmen
14. Fire main gun - manual mode
15. Fire main gun - emergency mode
16. Take action upon a misfire (main gun)
17. Take action upon a stoppage (coax)

49. DISTRIBUTE SUPPLIES

1. Resupply ammunition
2. Refuel tank

50. ENGAGE ENEMY

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement

5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom

51. ENGAGE ENEMY COVERING OBSTACLES

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evacuate wounded crewmen
10. Fire main gun - manual mode
11. Fire main gun - emergency mode
12. Take action upon a misfire (main gun)
13. Take action upon a stoppage (coax)

52. ENGAGE ENEMY WITH DEPTH FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Maintain tank's position within the platoon
6. Drive from one position to another
7. Pull into a hull-defilade position
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom

53. ENGAGE ENEMY WITH FRONTAL FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Fire tank's position within the platoon
6. Drive from one position to another

7. Pull into a hull-defilade position
8. Search for targets in assigned sector
9. Communicate with other crewmen on intercom
10. Evacuate wounded crewmen
11. Fire main gun - manual mode
12. Fire main gun - emergency mode
13. Take action upon a misfire (main gun)
14. Take action upon a stoppage (coax)

54. ENGAGE SURPRISE TARGETS

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Evacuate wounded crewmen
8. Fire main gun - manual mode
9. Fire main gun - emergency mode
10. Take action upon a misfire (main gun)
11. Take action upon a stoppage (coax)

55. ENGAGE TARGETS OF OPPORTUNITY

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom
7. Evacuate wounded crewmen
8. Fire main gun - manual mode
9. Fire main gun - emergency mode
10. Take action upon a misfire (main gun)
11. Take action upon a stoppage (coax)

56. EXECUTE BOUNDING OVERWATCH

1. Drive tank from one position to another
2. Pull into a hull-defilade position

3. Maintain tank's position within the platoon
 4. Cross various obstacles
 5. Search for targets in assigned sector
 6. Communicate with other crewmen on intercom
57. EXECUTE BOUNDING REVERSE OVERWATCH
1. Drive tank from one position to another
 2. Pull into a hull-defilade position
 3. Maintain tank's position within the platoon
 4. Cross various obstacles
 5. Search for targets in assigned sector
 6. Communicate with other crewmen on intercom
58. EXECUTE COIL FORMATION
1. Maintain tank's position within the platoon
 2. Search for targets in assigned sector
 3. Communicate with other crewmen on intercom
59. EXECUTE COIL OR HERRINGBONE FORMATION
1. Maintain tank's position within the platoon
 2. Search for targets in assigned sector
 3. Communicate with other crewmen on intercom
60. EXECUTE HERRINGBONE FORMATION
1. Maintain tank's position within the platoon
 2. Search for targets in assigned sector
 3. Communicate with other crewmen on intercom
61. EXECUTE TRAVELING
1. Drive tank from one position to another
 2. Maintain tank's position within the platoon
 3. Cross various obstacles
 4. Search for targets in assigned sector
 5. Communicate with other crewmen on intercom
62. EXECUTE TRAVELING OVERWATCH
1. Drive tank from one position to another
 2. Maintain tank's position to another
 3. Cross various obstacles

4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

63. EXECUTE TRAVELING REVERSE OVERWATCH

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

64. HOLD COVERING FIRE POSITION

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Pull into hull-defilade position

65. HOLD FIRE

1. Maintain tank's position within the platoon
2. Search for targets in assigned sector
3. Communicate with other crewmen on intercom

66. HOLD POSITION

1. Maintain tank's position within the platoon
2. Search for targets in assigned sector
3. Communicate with other crewmen on intercom
4. Prepare tank for biological attack
5. Prepare tank for chemical attack
6. Prepare tank for nuclear attack

67. INITIATE BYPASS

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom

68. INITIATE COVERING FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Communicate with other crewmen on intercom

69. INITIATE DISPLACEMENT

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Maintain tank's position within the platoon
4. Cross various obstacles
5. Communicate with other crewmen on intercom

70. INITIATE MOVEMENT

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Communicate with other crewmen on intercom

71. INITIATE READINESS ACTIONS

1. Communicate with other crewmen on intercom
2. Conduct prepare-to-fire checks
3. Resupply ammunition
4. Refuel tank
5. Perform user maintenance

72. INITIATE WITHDRAWAL

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

73. JOIN TEAM IN BYPASS

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles

4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

74. JOIN TEAM ON BATTLE POSITION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

75. JOIN TEAM ON OBJECTIVE

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

76. MAINTAIN ALERT AIR GUARDS

1. Communicate with other crewmen on intercom

77. MAINTAIN BATTLE READINESS

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

78. MAINTAIN COVERING FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evacuate wounded crewmen
10. Fire main gun - manual mode
11. Fire main gun - emergency mode
12. Take action upon a misfire (main gun)
13. Take action upon a stoppage (coax)

79. MAINTAIN SURVEILLANCE

1. Search for targets in assigned sector
2. Communicate with other crewmen on intercom

80. MOVE INTO AREA RAPIDLY

1. Drive tank from one position to another
2. Communicate with other crewmen on intercom

81. MOVE INTO ASSAULT FORMATION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom

82. MOVE INTO ATTACK FORMATION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Communicate with other crewmen on intercom

83. MOVE INTO ATTACK POSITION

1. Drive tank from one position to another
2. Pull into a concealed position
3. Maintain tank's position within the platoon

84. MOVE INTO DESIGNATED POSITION

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom

85. MOVE INTO FLANK POSITION

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles

6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

86. MOVE INTO SUPPORT POSITION

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

87. MOVE INTO SUPPRESSIVE FIRE POSITION

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

88. MOVE OUT IN PREVIOUS FORMATION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

89. MOVE OUT OF ATTACK POSITION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

90. MOVE TANKS INTO FIRING POSITION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles

4. Pull into a concealed position
5. Pull into a hull-defilade position
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

91. MOVE TANKS INTO HULL-DEFILADE

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Maintain tank's position within the platoon
4. Pull into a concealed position
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

92. MOVE TANKS INTO TURRET DEFILADE

1. Drive tank from one position to another
2. Pull into a concealed position
3. Maintain tank's position wihtin the platoon
4. Cross various obstacles
5. Search for targets in assigned sector
6. Communicate with other crewmen on intercom

93. MOVE TANKS TO GOOD FIELDS OF FIRE

1. Drive tank from one position to another
2. Pull into a hull-defilade position
3. Pull into a concealed position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

94. MOVE TO POSITION TO SUPPORT BREECHING OPERATION

1. Drive tank from one position to another
2. Maintain tanks position within the platoon
3. Cross various obstacles
4. Pull into a concealed position
5. Pull into a hull-defilade position
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

95. MOVE TO THE FLANK

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Search for targets in assigned sector
5. Communicate with other crewmen on intercom

96. OCCUPY ASSIGNED AREA

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Pull into a concealed position
4. Pull into a hull-defilade position
5. Communicate with other crewmen on intercom

97. OCCUPY SUCCESSIVE DELAY POSITION

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles
4. Pull into a concealed position
5. Pull into a hull-defilade position
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

98. OPEN FIRE

1. Fire the main gun
2. Fire the coaxial machinegun
3. Search for targets in assigned sector
4. Communicate with other crewmen on intercom

99. ORGANIZE 3-MAN CREWS

1. Communicate with other crewmen on intercom

100. ORIENT MAIN GUNS

1. Communicate with other crewmen on intercom

101. PASS THROUGH BREECH

1. Drive tank from one position to another
2. Maintain tank's position within the platoon
3. Cross various obstacles

4. Search for targets in assigned sector
 5. Communicate with other crewmen on intercom
102. POP SMOKE
1. Communicate with other crewmen on intercom
103. POSITION TANKS TO COVER AVENUES OF APPROACH
1. Drive tank from one position to another
 2. Pull into a concealed position
 3. Pull into a hull-defilade position
 4. Maintain tank's position within the platoon
 5. Cross various obstacles
 6. Communicate with other crewmen on intercom
104. POST AIR GUARDS
1. Communicate with other crewmen on intercom
105. POST GROUND GUARDS
1. Communicate with other crewmen on intercom
106. PREPARE ALTERNATE POSITION
1. Communicate with other crewmen on intercom
107. PREPARE HASTY DEFENSE POSITION
1. Drive tank from one position to another
 2. Maintain tank's position within the platoon
 3. Cross various obstacles
 4. Pull into a hull-defilade position
 5. Pull into a concealed position
 6. Search for targets in assigned sector
 7. Communicate with other crewmen on intercom
108. PREPARE INDIVIDUAL POSITIONS
1. Communicate with other crewmen on intercom
109. PREPARE RANGE CARDS
1. Pull into a hull-defilade position
 2. Search for targets in assigned sector
 3. Communicate with other crewmen on intercom

110. PROVIDE SUPPLY STATUS

1. Communicate with other crewmen on intercom
2. Resupply ammunition
3. Refuel tank

111. REENGAGE ENEMY

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evacuate wounded crewmen
10. Fire main gun - manual mode
11. Fire main gun - emergency mode
12. Take action upon a misfire (main gun)
13. Take action upon a stoppage (coax)

112. SHIFT SUPPRESSIVE FIRES

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire a simultaneous engagement
4. Fire a multiple engagement
5. Drive tank from one position to another
6. Maintain tank's position within the platoon
7. Search for targets in assigned sector
8. Communicate with other crewmen on intercom
9. Evacuate wounded crewmen
10. Fire main gun - manual mode
11. Fire main gun - emergency mode
12. Take action upon a misfire (main gun)
13. Take action upon a stoppage (coax)

113. START THE ASSAULT

1. Fire the main gun
2. Fire the coaxial machinegun
3. Fire the Cal .50 machinegun from a moving tank
4. Fire the Loader's machinegun from a moving tank
5. Fire a simultaneous engagement
6. Fire a multiple engagement
7. Drive tank from one position to another
8. Cross various obstacles
9. Maintain tank's position within the platoon
10. Search for targets in assigned sector
11. Communicate with other crewmen on intercom

114. TIE IN FLANK TANKS WITH OTHER TEAM ELEMENTS

1. Drive tank from one position to another
2. Pull into a concealed position
3. Pull into a hull-defilade position
4. Maintain tank's position within the platoon
5. Cross various obstacles
6. Search for targets in assigned sector
7. Communicate with other crewmen on intercom

TANK COMMANDER TASKS PERFORMED DURING EACH PLATOON TASK

1. ACCELERATE THE ATTACK

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Estimate range
16. Decide whether or not to engage targets
17. Select targets and alternate targets
18. Maintain proper place within section or platoon
19. Place tank in firing position
20. Perform during firing checks and services

2. ACCELERATE TO MAXIMUM SPEED

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

3. CAMOUFLAGE TANKS

1. Operate intercommunications equipment

4. CEASE FIRE

1. Operate intercommunications equipment
2. Perform after firing checks and services

5. COMPLETE AFTER OPERATIONS MAINTENANCE

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on TC's station
3. Perform before-operations maintenance checks and services on Commander's machinegun

6. COMPLETE AT HALT MAINTENANCE
 1. Operate intercommunications equipment
7. COMPLETE BATTLE POSITION
 1. Operate intercommunications equipment
8. COMPLETE BYPASS PREPARATION
 1. Operate intercommunications equipment
 2. Operate radio
9. COMPLETE COMMUNICATIONS OPERATIONAL CHECKS
 1. Operate intercommunications equipment
 2. Operate radio
10. COMPLETE EMERGENCY REPAIRS
 1. Operate intercommunications equipment
11. COMPLETE READINESS
 1. Operate intercommunications equipment
 2. Perform before-operations maintenance checks and services on Commander's machinegun
 3. Perform before-firing checks and services
 4. Perform during-firing checks and services
 5. Perform after-firing checks and services
12. COMPLETE RESUPPLY
 1. Operate intercommunications equipment
13. COMPLETE WITHDRAWAL
 1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate radio
 4. Select a movement route using a map
 5. Evaluate terrain using a topographic map
 6. Conduct a map reconnaissance
 7. Maintain proper place within section or platoon
14. CONDUCT FIRE AND MANEUVER
 1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode

4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Perform during-firing checks and services
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Designate the target
12. Sense rounds
13. Give correct fire commands
14. Load Commander's machinegun
15. Fire Commander's machinegun
16. Prepare a SPOT report
17. Fire main gun from TC's position
18. Locate targets for attack by indirect fire
19. Call for supporting fire
20. Decide whether or not to engage targets
21. Select targets and alternate targets
22. Select a movement route using a map
23. Evaluate terrain using a topographic map
24. Conduct a map reconnaissance
25. Maintain an overwatch position
26. Adjust supporting fire
27. Estimate range
28. Sense rounds for another tank
29. Adjust supporting fire
30. Call for supporting fire

15. CONDUCT MOVEMENT TO CONTACT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Select a movement route using a map
5. Evaluate terrain using a topographic map
6. Conduct a map reconnaissance
7. Maintain proper place within section or platoon
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment

16. CONDUCT PASSAGES OF LINES

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

17. CONDUCT PRE-FIRE CHECKS

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on TC's station
3. Perform before-firing checks and services

18. CONDUCT SCHEDULED HALT

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

19. CONDUCT SPECIFIED MOVEMENT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Select a movement route using a map
9. Evaluate terrain using a topographic map
10. Conduct a map reconnaissance
11. Maintain proper place within section or platoon
12. Place tank in firing position
13. Maintain an overwatch position
14. Prepare a SPOT report

20. CONTINUE APPROPRIATE MOVEMENT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate radio
4. Operate Commander's weapon station in power mode
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Select a movement route using a map
9. Evaluate terrain using a topographic map

10. Conduct a map reconnaissance
 11. Maintain proper place within section or platoon
 12. Place tank in firing position
 13. Maintain an overwatch position
21. CONTINUE BOUNDING OVERWATCH
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Acquire targets
 6. Rank targets according to potential danger
 7. Identify US and foreign equipment
 8. Select a movement route using a map
 9. Maintain proper place within section or platoon
 10. Place tank in firing position
 11. Maintain an overwatch position
22. CONTINUE BOUNDING REVERSE OVERWATCH
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Acquire targets
 6. Rank targets according to potential danger
 7. Identify US and foreign equipment
 8. Select a movement route using a map
 9. Evaluate terrain using a topographic map
 10. Conduct a map reconnaissance
 11. Maintain proper place within section or platoon
 12. Place tank in firing position
 13. Maintain an overwatch position
23. CONTINUE BYPASS
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Select a movement route using a map
 4. Evaluate terrain using a topographic map
 5. Conduct a map reconnaissance
 6. Maintain proper place within section or platoon

24. CONTINUE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Maintain proper place within section or platoon

25. CONTINUE DIRECT FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Lay gun for direction
9. Designate the target
10. Sense rounds
11. Give correct fire commands
12. Load Commander's machinegun
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Place tank in firing position
16. Identify US and foreign equipment
17. Estimate range
18. Sense rounds for another tank
19. Adjust supporting fire
20. Call for supporting fire
21. Locate targets for attack by indirect fire
22. Decide whether or not to engage targets
23. Select targets and alternate targets
24. Perform during-firing checks and services

26. CONTINUE FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Clear Commander's machinegun
5. Operate radio
6. Operate rangefinder

7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Designate the target
12. Sense rounds
13. Give correct fire commands
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Place tank in firing position
17. Estimate range
18. Sense rounds for another tank
19. Adjust supporting fire
20. Call for supporting fire
21. Locate targets for attack by indirect fire
22. Decide whether or not to engage targets
23. Select targets and alternate targets
24. Perform during-fire checks and services

27. CONTINUE FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Sense rounds
18. Adjust supporting fire
19. Call for supporting fire

20. Locate targets for attack by indirect fire
 21. Decide whether or not to engage targets
 22. Select targets and alternate targets
 23. Select a movement route using a map
 24. Evaluate terrain using a topographic map
 25. Conduct a map reconnaissance
 26. Maintain proper place within section or platoon
 27. Maintain an overwatch position
 28. Perform during-firing checks and services
28. CONTINUE FIRING PREPARATIONS
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Perform before-firing checks and services
29. CONTINUE FRONTAL FIRE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Operate rangefinder
 6. Acquire targets
 7. Identify US and foreign equipment
 8. Lay gun for direction
 9. Designate the target
 10. Sense rounds
 11. Give correct fire commands
 12. Load Commander's machinegun
 13. Fire Commander's machinegun
 14. Fire main gun from TC's position
 15. Place tank in firing position
 16. Select targets and alternate targets
 17. Rank targets according to potential danger
 18. Identify US and foreign equipment
 19. Estimate range
 20. Sense rounds for another tank
 21. Adjust supporting fire
 22. Call for supporting fire

23. Locate targets for attack by indirect fire
24. Decide whether or not to engage targets
25. Rank targets according to potential danger

30. CONTINUE READINESS ACTIONS

1. Operate intercommunications equipment

31. CONTINUE SUPPRESSIVE FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Decide whether or not to engage targets
18. Select targets and alternate targets
19. Place tank in firing position
20. Identify US and foreign equipment
21. Sense rounds for another tank
22. Adjust supporting fire
23. Call for supporting fire
24. Locate targets for attack by indirect fire
25. Perform during-firing checks and services

32. CONTINUE SUPPRESSIVE FIRES ON FLANK TARGETS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder

6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Decide whether or not to engage targets
18. Select targets and alternate targets
19. Perform during-firing checks and services
20. Maintain proper place within section or platoon
21. Maintain an overwatch position
22. Place tank in firing position
23. Sense rounds for another tank
24. Call for supporting fire
25. Adjust supporting fire
26. Locate targets for attack by indirect fire

33. CONTINUE THE ASSAULT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Designate the target
10. Sense rounds
11. Give correct fire commands
12. Load Commander's machinegun
13. Fire Commander's machinegun
14. Estimate range
15. Decide whether or not to engage targets
16. Select targets and alternate targets

17. Maintain proper place within section or platoon
18. Perform during-firing checks and services

34. CONTINUE THE ATTACK

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Decide whether or not to engage targets
18. Select targets and alternate targets
19. Maintain proper place within section or platoon
20. Place tank in firing position
21. Perform during-firing checks and services

35. CONTINUE THE MARCH

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

36. CONTINUE TO DEFEND POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Load Commander's machinegun
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment

10. Lay gun for direction
 11. Designate the target
 12. Sense rounds
 13. Give correct fire commands
 14. Fire Commander's machinegun
 15. Fire main gun from TC's position
 16. Estimate range
 17. Sense rounds for another tank
 18. Adjust supporting fire
 19. Locate targets for attack by indirect fire
 20. Decide whether or not to engage targets
 21. Select targets and alternate targets
 22. Maintain proper place within section or platoon
 23. Place tank in firing position
 24. Maintain an overwatch position
 25. Call for supporting fire
37. CONTINUE TRAVELING REVERSE OVERWATCH
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Acquire targets
 6. Rank targets according to potential danger
 7. Identify US and foreign equipment
 8. Select a movement route using a map
 9. Evaluate terrain using a topographic map
 10. Conduct a map reconnaissance
 11. Maintain proper place within section or platoon
38. CORRECT INTERVAL BETWEEN TANKS
1. Operate intercommunications equipment
 2. Maintain proper place within section or platoon
39. CORRECT INTERVAL WITH LEAD PLATOON
1. Operate intercommunications equipment
 2. Maintain proper place within section or platoon

40. CORRECT SPEED OF TANKS

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

41. CROSS CRITICAL POINTS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon

42. CROSS LINE OF DEPARTURE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Maintain proper place within section or platoon

43. CROSS PHASE LINES

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon

44. CROSS RELEASE POINT

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

45. CROSS START POINT

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon

46. DEPLOY INTO DEFILADE POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Select a movement route using a map
5. Evaluate terrain using a topographic map
6. Conduct a map reconnaissance
7. Maintain proper place within section or platoon

47. DEPLOY INTO OVERWATCH POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Maintain an overwatch position

48. DESTROY ENEMY ON OBJECTIVE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Load Commander's machinegun
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Designate the target
12. Sense rounds
13. Give correct fire commands
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Place tank in firing position
17. Select targets and alternate targets
18. Estimate range
19. Sense rounds for another tank
20. Adjust supporting fire
21. Call for supporting fire
22. Locate targets for attack by indirect fire
23. Decide whether or not to engage targets

24. Maintain proper place within section or platoon
25. Perform during-firing checks and services

49. DISTRIBUTE SUPPLIES

1. Operate intercommunications equipment

50. ENGAGE ENEMY

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Decide whether or not to engage targets
18. Select targets and alternate targets
19. Place tank in firing position
20. Sense rounds for another tank
21. Decide whether or not to engage targets
22. Adjust supporting fire
23. Call for supporting fire
24. Locate targets for attack by indirect fire
25. Perform during-firing checks and services

51. ENGAGE ENEMY COVERING OBSTACLE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets

7. Rank targets according to potential danger
 8. Identify US and foreign equipment
 9. Lay gun for direction
 10. Designate the target
 11. Sense rounds
 12. Give correct fire commands
 13. Estimate range
 14. Decide whether or not to engage targets
 15. Select targets and alternate targets
 16. Maintain proper place within section or platoon
 17. Place tank in firing position
 18. Load Commander's machinegun
 19. Fire Commander's machinegun
 20. Fire main gun from TC's position
 21. Sense rounds for another tank
 22. Adjust supporting fire
 23. Call for supporting fire
 24. Locate targets for attack by indirect fire
 25. Perform during-firing checks and services
52. ENGAGE ENEMY WITH DEPTH FIRE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Operate rangefinder
 6. Acquire targets
 7. Rank targets according to potential danger
 8. Identify US and foreign equipment
 9. Lay gun for direction
 10. Designate the target
 11. Sense rounds
 12. Give correct fire commands
 13. Load Commander's machinegun
 14. Fire Commander's machinegun
 15. Fire main gun from TC's position
 16. Decide whether or not to engage targets
 17. Select targets and alternate targets
 18. Maintain proper place within section or platoon

19. Place tank in firing position
20. Estimate range
21. Sense rounds for another tank
22. Decide whether or not to engage targets
23. Adjust supporting fire
24. Call for supporting fire
25. Locate targets for attack by indirect fire
26. Perform during-firing checks and services

53. ENGAGE ENEMY WITH FRONTAL FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Identify US and foreign equipment
8. Lay gun for direction
9. Designate the target
10. Sense rounds
11. Give correct fire commands
12. Adjust supporting fire
13. Call for supporting fire
14. Locate targets for attack by indirect fire
15. Estimate range
16. Sense rounds for another tank
17. Decide whether or not to engage targets
18. Rank targets according to potential danger
19. Load Commander's machinegun
20. Fire Commander's machinegun
21. Fire main gun from TC's position
22. Select targets and alternate targets
23. Place tank in firing position
24. Perform during-firing checks and services

54. ENGAGE SURPRISE TARGETS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode

4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Give correct fire commands
12. Designate the target
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Adjust supporting fire
17. Maintain proper place within section or platoon
18. Place tank in firing position
19. Decide whether or not to engage targets
20. Select targets and alternate targets
21. Estimate range
22. Sense rounds for another tank
23. Call for supporting fire
24. Locate targets for attack by indirect fire
25. Perform during-firing checks and services

55. ENGAGE TARGETS OF OPPORTUNITY

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position

16. Estimate range
17. Decide whether or not to engage targets
18. Select targets and alternate targets
19. Maintain proper place within section or platoon
20. Place tank in firing position
21. Sense rounds for another tank
22. Adjust supporting fire
23. Call for supporting fire
24. Locate targets for attack by indirect fire
25. Perform during-firing checks and services

56. EXECUTE BOUNDING OVERWATCH

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Designate the target
10. Sense rounds
11. Give correct fire commands
12. Fire Commander's machinegun
13. Fire main gun from TC's position
14. Estimate range
15. Select a movement route using a map
16. Evaluate terrain using a topographic map
17. Conduct a map reconnaissance
18. Maintain proper place within section or platoon
19. Place tank in firing position

57. EXECUTE BOUNDING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger

7. Identify US and foreign equipment
8. Lay gun for direction
9. Designate the target
10. Sense rounds
11. Give correct fire commands
12. Fire Commander's machinegun
13. Perform misfire procedures on main gun
14. Sense rounds for another tank
15. Adjust supporting fire
16. Call for supporting fire
17. Locate targets for attack by indirect fire
18. Decide whether or not to engage targets
19. Select targets and alternate targets
20. Select a movement route using a map
21. Evaluate terrain using a topographic map
22. Conduct a map reconnaissance
23. Maintain proper place within section or platoon
24. Place tank in firing position

58. EXECUTE COIL FORMATION

1. Operate intercommunications equipment
2. Operate radio
3. Lay gun for direction
4. Maintain proper place within section or platoon

59. EXECUTE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Operate radio
3. Lay gun for direction
4. Maintain proper place within section or platoon

60. EXECUTE HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Operate radio
3. Lay gun for direction
4. Maintain proper place within section or platoon

61. EXECUTE TRAVELING

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Select a movement route using a map
9. Evaluate terrain using a topographic map
10. Conduct a map reconnaissance
11. Maintain proper place within section or platoon

62. EXECUTE TRAVELING OVERWATCH

1. Operate intercommunications equipments
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Select a movement route using a map
9. Evaluate terrain using a topographic map
10. Conduct a map reconnaissance
11. Maintain proper place within section or platoon
12. Place tank in firing position
13. Maintain an overwatch position

63. EXECUTE TRAVELING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Select a movement route using a map
9. Evaluate terrain using a topographic map

10. Conduct a map reconnaissance
11. Maintain proper place within section or platoon
12. Maintain an overwatch position

64. HOLD COVERING FIRE POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Perform during-firing checks and services
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Designate the target
12. Sense rounds
13. Give correct fire commands
14. Load Commander's machinegun
15. Fire Commander's machinegun
16. Fire main gun from TC's position
17. Estimate range
18. Decide whether or not to engage targets
19. Select targets and alternate targets
20. Maintain proper place within section or platoon
21. Place tank in firing position
22. Call for indirect fire
23. Adjust indirect fire
24. Locate targets for attack by indirect fire

65. HOLD FIRE

1. Operate intercommunications equipment
2. Operate radio
3. Identify US and foreign equipment

66. HOLD POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio

5. Operate rangefinder
6. Lay gun for direction
7. Designate the target
8. Sense rounds
9. Give correct fire commands
10. Load Commander's machinegun
11. Fire Commander's machinegun
12. Estimate range
13. Fire main gun from TC's position
14. Decide whether or not to engage targets
15. Select targets and alternate targets
16. Maintain proper place within section or platoon
17. Place tank in firing position
18. Acquire targets
19. Rank targets according to potential danger
20. Identify US and foreign equipment
21. Sense rounds for another tank
22. Adjust supporting fire
23. Call for supporting fire
24. Locate targets for attack by indirect fire
25. Perform during-firing checks and services

67. INITIATE BYPASS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance

68. INITIATE COVERING FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Load Commander's machinegun
6. Operate rangefinder
7. Acquire targets

8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Designate the target
12. Sense rounds
13. Give correct fire commands
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Sense rounds for another tank
18. Adjust supporting fire
19. Call for supporting fire
20. Locate targets for attack by indirect fire
21. Decide whether or not to engage targets
22. Select targets and alternate targets
23. Maintain proper place within section or platoon
24. Place tank in firing position
25. Perform during-firing checks and services

69. INITIATE DISPLACEMENT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio

70. INITIATE MOVEMENT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio

71. INITIATE READINESS ACTIONS

1. Operate intercommunications equipment
2. Test Commander's panel lights and switches
3. Prepare GPS extension for operation
4. Boresight Commander's machinegun
5. Check and adjust headspace on Commander's machinegun
6. Check and adjust timing on Commander's machinegun
7. Load Commander's machinegun

8. Zero Commander's machinegun
9. Load grenade launcher
10. Perform before-operations maintenance checks and services on Commander's machinegun

72. INITIATE WITHDRAWAL

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon

73. JOIN TEAM IN BYPASS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon

74. JOIN TEAM ON BATTLE POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon

75. JOIN TEAM ON OBJECTIVE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode

4. Operate radio
 5. Maintain proper place within section or platoon
76. MAINTAIN ALERT AIR GUARDS
1. Operate intercommunications equipment
77. MAINTAIN BATTLE READINESS
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
78. MAINTAIN COVERING FIRE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Operate rangefinder
 6. Acquire targets
 7. Rank targets according to potential danger
 8. Identify US and foreign equipment
 9. Lay gun for direction
 10. Designate the target
 11. Sense rounds
 12. Give correct fire commands
 13. Load Commander's machinegun
 14. Fire Commander's machinegun
 15. Fire main gun from TC's position
 16. Estimate range
 17. Sense rounds for another tank
 18. Adjust supporting fire
 19. Call for supporting fire
 20. Locate targets for attack by indirect fire
 21. Decide whether or not to engage targets
 22. Select targets and alternate targets
 23. Maintain proper place within section or platoon
 24. Place tank in firing position
 25. Perform during-firing checks and services

79. MAINTAIN SURVEILLANCE

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate rangefinder
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Prepare a SPOT report
9. Locate targets for attack by indirect fire
10. Decide whether or not to engage targets
11. Select targets and alternate targets

80. MOVE INTO AREA RAPIDLY

1. Operate intercommunications equipment

81. MOVE INTO ASSAULT FORMATION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Maintain proper place within section or platoon

82. MOVE INTO ATTACK FORMATION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Maintain proper place within section or platoon

83. MOVE INTO ATTACK POSITION

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Maintain proper place within section or platoon

84. MOVE INTO DESIGNATED POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Maintain proper place within section or platoon
6. Rank targets according to potential danger

85. MOVE INTO FLANK POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Place tank in firing position
6. Maintain proper place within section or platoon

86. MOVE INTO SUPPORT POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Place tank in firing position
6. Maintain proper place within section or platoon

87. MOVE INTO SUPPRESSIVE FIRE POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Maintain proper place within section or platoon
6. Place tank in firing position

88. MOVE OUT IN PREVIOUS FORMATION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Identify US and foreign equipment

7. Lay gun for direction
 8. Maintain proper place within section or platoon
89. MOVE OUT OF ATTACK POSITION
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Maintain proper place within section or platoon
90. MOVE TANKS INTO FIRING POSITION
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Maintain proper place within section or platoon
 6. Place tank in firing position
91. MOVE TANKS INTO HULL DEFILADE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Maintain proper place within section or platoon
 5. Place tank in firing position
92. MOVE TANKS INTO TURRET DEFILADE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Maintain proper place within section or platoon
93. MOVE TANKS TO GOOD FIELDS OF FIRE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Maintain proper place within section or platoon
 5. Place tank in firing position

94. MOVE TO POSITION TO SUPPORT BREECHING OPERATION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Maintain proper place within section or platoon
6. Place tank in firing position

95. MOVE TO THE FLANK

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon

96. OCCUPY ASSIGNED AREA

1. Operate intercommunications equipment
2. Maintain proper place within section or platoon
3. Place tank in firing position

97. OCCUPY SUCCESSIVE DELAY POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Select a movement route using a map
6. Evaluate terrain using a topographic map
7. Conduct a map reconnaissance
8. Maintain proper place within section or platoon
9. Place tank in firing position

98. OPEN FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets

6. Operate rangefinder
 7. Rank targets according to potential danger
 8. Identify US and foreign equipment
 9. Lay gun for direction
 10. Designate the target
 11. Sense rounds
 12. Give correct fire commands
 13. Load Commander's machinegun
 14. Fire Commander's machinegun
 15. Fire main gun from TC's position
 16. Estimate range
 17. Decide whether or not to engage targets
 18. Select targets and alternate targets
 19. Maintain proper place within section or platoon
 20. Place tank in firing position
 21. Perform during-firing checks and services
99. ORGANIZE 3-MAN CREWS
100. ORIENT MAIN GUNS
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
101. PASS THROUGH THE BREECH
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
 5. Maintain proper place within section or platoon
102. POP SMOKE
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio

103. POSITION TANKS TO COVER AVENUES OF APPROACH

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Select a movement route using a map
5. Evaluate terrain using a topographic map
6. Conduct a map reconnaissance
7. Maintain proper place within section or platoon

104. POST AIR GUARDS

1. Operate intercommunications equipment

105. POST GROUND GUARDS

1. Operate intercommunications equipment

106. PREPARE ALTERNATE POSITIONS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate rangefinder
5. Evaluate terrain using a topographic map
6. Conduct a map reconnaissance
7. Maintain proper place within section or platoon
8. Place tank in firing position

107. PREPARE HASTY DEFENSE POSITION

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Place tank in firing position
5. Maintain proper place within section or platoon

108. PREPARE INDIVIDUAL POSITIONS

1. Operate intercommunications equipment

109. PREPARE RANGE CARDS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate rangefinder

5. Acquire targets
6. Lay gun for direction
7. Designate the target
8. Locate targets for attack by indirect fire
9. Select targets and alternate targets
10. Evaluate terrain using a topographic map
11. Conduct a map reconnaissance

110. PROVIDE SUPPLY STATUS

1. Operate intercommunications equipment

111. REENGAGE ENEMY

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the target
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Decide whether or not to engage targets
18. Select targets and alternate targets
19. Maintain proper place within section or platoon
20. Maintain an overwatch position
21. Place tank in firing position
22. Sense rounds for another tank
23. Call for supporting fire
24. Adjust supporting fire
25. Locate targets for attack by indirect fire
26. Perform during-firing checks and services

112. SHIFT SUPPRESSIVE FIRE

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Designate the targets
11. Sense rounds
12. Give correct fire commands
13. Load Commander's machinegun
14. Perform during-firing checks and services
15. Fire Commander's machinegun
16. Fire main gun from TC's position
17. Estimate range
18. Decide whether or not to engage targets
19. Select targets and alternate targets
20. Maintain proper place within section or platoon
21. Maintain an overwatch position
22. Place tank in firing position
23. Sense rounds for another tank
24. Call for supporting fire
25. Adjust supporting fire
26. Locate targets for attack by indirect fire

113. START THE ASSAULT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio

114. TIE IN FLANK TANKS WITH OTHER TEAM ELEMENTS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode

4. Load Commander's machinegun
5. Maintain proper place within section or platoon

GUNNER TASKS PERFORMED DURING EACH PLATOON TASK

1. ACCELERATE THE ATTACK

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using gunner's primary sight
5. Engage targets with main gun - normal mode
6. Fire coaxial machinegun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets

2. ACCELERATE TO MAXIMUM SPEED

1. Operate intercommunications equipment

3. CAMOUFLAGE TANKS

1. Operate intercommunications equipment

4. CEASE FIRE

1. Operate intercommunications equipment

5. COMPLETE AFTER OPERATIONS MAINTENANCE

1. Operate intercommunications equipment

6. COMPLETE AT HALT MAINTENANCE

1. Operate intercommunications equipment

7. COMPLETE BATTLE POSITION

1. Operate intercommunications equipment

8. COMPLETE BYPASS PREPARATION

1. Operate intercommunications equipment

9. COMPLETE COMMUNICATIONS OPERATIONAL CHECKS

1. Operate intercommunications equipment

10. COMPLETE EMERGENCY REPAIRS

1. Operate intercommunications equipment

11. COMPLETE READINESS

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on Commander's machinegun
3. Perform before-firing checks and services
4. Perform during-firing checks and services
5. Perform after-firing checks and services

12. COMPLETE RESUPPLY

1. Operate intercommunications equipment

13. COMPLETE WITHDRAWAL

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate radio
4. Select a movement route using a map
5. Evaluate terrain using a topographic map
6. Conduct a map reconnaissance
7. Maintain proper place within section or platoon

14. CONDUCT FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

15. CONDUCT MOVEMENT TO CONTACT

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

16. CONDUCT PASSAGES OF LINES

1. Operate intercommunications equipment
2. Use IR/passive direct fire sights

17. CONDUCT PRE-FIRE CHECKS

1. Enter Gunner's station
2. Adjust Gunner's seat, browpads, and chestrest
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Gunner's station
5. Test GPS and TIS panel lights
6. Prepare Gunner's primary sight for operation
7. Prepare thermal imaging system for operation
8. Focus thermal imaging system picture
9. Prepare laser rangefinder for operation
10. Prepare Gunner's auxiliary sight for operation
11. Prepare ballistic computer for operation
12. Test Gunner's station caution and warning lights
13. Perform GPS functional check
14. Perform computer self-test
15. Perform thermal imaging system built-in test
16. Perform gun/turret drive--LOS tracking check
17. Perform lead system check
18. Perform firing circuit tests
19. Perform boresighting check
20. Align muzzle reference sensor
21. Perform crosswind sensor check

22. Perform computer data check
23. Perform cant unit check
24. Perform lead accuracy check
25. Perform superelevation check
26. Identify malfunctions in fire control weapon system
27. Take recommended actions to correct malfunctions
28. Notify TC if recommended corrective actions do not correct
29. Traverse turret using power control handles
30. Elevate/depress main gun using power control handle
31. Manually input fire control data for manual parameter into ballistic computer
32. Manually input fire control data for auto parameter into ballistic computer

18. CONDUCT SCHEDULED HALT

1. Operate intercommunications equipment
2. Use IR/passive direct fire sights

19. CONDUCT SPECIFIED MOVEMENT

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Prepare coaxial machinegun for travel
8. Use IR/passive direct fire sights

20. CONTINUE APPROPRIATE MOVEMENT

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets
5. Rank targets according to potential danger
6. Identify US and foreign equipment
7. Use IR/passive direct fire sights

21. CONTINUE BOUNDING OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

22. CONTINUE BOUNDING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

23. CONTINUE BYPASS

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

24. CONTINUE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on Gunner's station
3. Traverse turret using power control handles
4. Use IR/passive direct fire sights

25. CONTINUE DIRECT FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode

7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Use IR/passive direct fire sights

26. CONTINUE FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

27. CONTINUE FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

28. CONTINUE FIRING PREPARATIONS

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles

29. CONTINUE FRONTAL FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

30. CONTINUE READINESS ACTIONS

1. Enter Gunner's station
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on Gunner's station
4. Perform before-operations maintenance checks and services on Gunner's machinegun

31. CONTINUE SUPPRESSIVE FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun - normal mode
6. Load coaxial machinegun

7. Fire coaxial machinegun
 8. Identify US and foreign equipment
 9. Acquire targets
 10. Rank targets according to potential danger
 11. Sense rounds
 12. Track targets
 13. Use IR/passive direct fire sights
32. CONTINUE SUPPRESSIVE FIRES ON FLANK TARGETS
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Prepare to fire main gun
 6. Engage targets with main gun - normal mode
 7. Load coaxial machinegun
 8. Fire coaxial machinegun
 9. Identify US and foreign equipment
 10. Acquire targets
 11. Rank targets according to potential danger
 12. Sense rounds
 13. Track targets
 14. Use IR/passive direct fire sights
33. CONTINUE THE ASSAULT
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Engage targets with main gun - normal mode
 6. Load coaxial machinegun
 7. Fire coaxial machinegun
 8. Identify US and foreign equipment
 9. Acquire targets
 10. Rank targets according to potential danger
 11. Sense rounds
 12. Track targets
 13. Use IR/passive direct fire sights

34. CONTINUE THE ATTACK

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun - normal mode
6. Load coaxial machinegun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Use IR/passive direct fire sights

35. CONTINUE THE ROAD MARCH

1. Operate intercommunications equipment

36. COMPLETE READINESS

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on Gunner's machinegun

37. CONTINUE TRAVELING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

38. CORRECT INTERVAL BETWEEN TANKS

1. Operate intercommunications equipment

39. CORRECT INTERVAL WITH LEAD PLATOON

1. Operate intercommunications equipment

40. CORRECT SPEED OF TANKS
 1. Operate intercommunications equipment
41. CROSS CRITICAL POINTS
 1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
42. CROSS LINE OF DEPARTURE
 1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
43. CROSS PHASE LINES
 1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
44. CROSS RELEASE POINT
 1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
45. CROSS START POINT
 1. Operate intercommunications equipment
46. DEPLOY INTO DEFILADE POSITION
 1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Use IR/passive direct fire sights
47. DEPLOY INTO OVERWATCH POSITION
 1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Use IR/passive direct fire sights

48. DESTROY ENEMY ON OBJECTIVE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

49. DISTRIBUTE SUPPLIES

1. Operate intercommunications equipment

50. ENGAGE ENEMY

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun - normal mode
6. Load coaxial machinegun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Use IR/passive direct fire sights

51. ENGAGE ENEMY COVERING OBSTACLE

1. Operate intercommunications equipment
2. Traverse turret using power control handles

3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Engage targets with main gun - normal mode
 6. Load coaxial machinegun
 7. Fire coaxial machinegun
 8. Identify US and foreign equipment
 9. Acquire targets
 10. Rank targets according to potential danger
 11. Sense rounds
 12. Track targets
 13. Use IR/passive direct fire sight
52. ENGAGE ENEMY WITH DEPTH FIRE
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Prepare to fire main gun
 6. Engage targets with main gun - normal mode
 7. Load coaxial machinegun
 8. Fire coaxial machinegun
 9. Identify US and foreign equipment
 10. Acquire targets
 11. Rank targets according to potential danger
 12. Sense rounds
 13. Track targets
 14. Use IR/passive direct fire sights
53. ENGAGE ENEMY WITH FRONTAL FIRE
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Prepare to fire main gun
 6. Engage targets with main gun - normal mode
 7. Load coaxial machinegun
 8. Fire coaxial machinegun

9. Identify US and foreign equipment
 10. Acquire targets
 11. Rank targets according to potential danger
54. ENGAGE SURPRISE TARGETS
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Prepare to fire main gun
 6. Engage targets with main gun - normal mode
 7. Load coaxial machinegun
 8. Fire coaxial machinegun
 9. Identify US and foreign equipment
 10. Acquire targets
 11. Rank targets according to potential danger
 12. Sense rounds
 13. Track targets
 14. Use IR/passive direct fire sights
55. ENGAGE TARGETS OF OPPORTUNITY
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Engage targets with main gun - normal mode
 6. Load coaxial machinegun
 7. Fire coaxial machinegun
 8. Identify US and foreign equipment
 9. Acquire targets
 10. Rank targets according to potential danger
 11. Sense rounds
 12. Track targets
 13. Use IR/passive direct fire sights

56. EXECUTE BOUNDING OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun - normal mode
6. Load coaxial machinegun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Use IR/passive direct fire sights

57. EXECUTE BOUNDING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun

58. EXECUTE COIL FORMATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

59. EXECUTE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

60. EXECUTE HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

61. EXECUTE TRAVELING

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets
5. Identify US and foreign equipment
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

62. EXECUTE TRAVELING OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

63. EXECUTE TRAVELING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Identify US and foreign equipment
5. Acquire targets
6. Rank targets according to potential danger
7. Use IR/passive direct fire sights

64. HOLD COVERING FIRE POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight

5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

65. HOLD FIRE

1. Operate intercommunications equipment

66. HOLD POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun - normal mode
6. Load coaxial machinegun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Use IR/passive direct fire sights

67. INITIATE BYPASS

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

68. INITIATE COVERING FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles

3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

69. INITIATE DISPLACEMENT

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

70. INITIATE MOVEMENT

1. Operate intercommunications equipment

71. INITIATE READINESS ACTIONS

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on Gunner's station
3. Test GPS and TIS panel lights
4. Prepare Gunner's primary sight for operation
5. Prepare thermal imaging system for operation
6. Focus thermal imaging system picture
7. Prepare laser rangefinder for operation
8. Prepare Gunner's auxiliary sight for operation
9. Prepare ballistic computer for operation
10. Test Gunner's station caution and warning lights
11. Perform GPS functional check
12. Perform computer self-test
13. Perform gun/turret drive--LOS tracking check

14. Elevate/depress main gun using power control handles
15. Manually input fire control data for manual parameter into ballistic computer
16. Manually input fire control data for auto parameter into ballistic computer
17. Perform superelevation check
18. Zero the main gun
19. Perform before-operations maintenance checks and services on Gunner's machinegun

72. INITIATE WITHDRAWAL

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

73. JOIN TEAM IN BYPASS

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

74. JOIN TEAM ON BATTLE POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

75. JOIN TEAM ON OBJECTIVE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

76. MAINTAIN ALERT AIR GUARDS

1. Operate intercommunications equipment

77. MAINTAIN BATTLE READINESS

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode

78. MAINTAIN COVERING FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Prepare to fire main gun
5. Engage targets with main gun - normal mode
6. Load coaxial machinegun
7. Fire coaxial machinegun
8. Clear misfire in coaxial machinegun
9. Stop runaway firing of coaxial machinegun
10. Change barrel of coaxial machinegun
11. Clear coaxial machinegun
12. Identify US and foreign equipment
13. Acquire targets
14. Rank targets according to potential danger
15. Sense rounds
16. Track targets
17. Use IR/passive direct fire sights

79. MAINTAIN SURVEILLANCE

1. Adjust Gunner's seat, browpads, and chestrest
2. Operate intercommunications equipment
3. Identify US and foreign equipment
4. Acquire targets
5. Rank targets according to potential danger
6. Use IR/passive direct fire sights

80. MOVE INTO AREA RAPIDLY

1. Operate intercommunications equipment

81. MOVE INTO ASSAULT FORMATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

S2. MOVE INTO ATTACK FORMATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

S3. MOVE INTO ATTACK POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

S4. MOVE INTO DESIGNATED POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

S5. MOVE INTO FLANK POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

S6. MOVE INTO SUPPORT POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

S7. MOVE INTO SUPPRESSIVE FIRE POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

SS. MOVE OUT IN PREVIOUS FORMATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets
5. Rank targets according to potential danger
6. Identify US and foreign equipment
7. Use IR/passive direct fire sights

89. MOVE OUT OF ATTACK POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

90. MOVE TANK INTO FIRING POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Use IR/passive direct fire sights

91. MOVE TANKS INTO HULL DEFILADE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

92. MOVE TANKS INTO TURRET DEFILADE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles

93. MOVE TANKS TO GOOD FIELDS OF FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

94. MOVE TO POSITION TO SUPPORT BRECHING OPERATION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

95. MOVE TO THE FLANK

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

96. OCCUPY ASSIGNED AREA

1. Operate intercommunications equipment

97. OCCUPY SUCCESSIVE DELAY POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

98. OPEN FIRE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun - normal mode
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Use IR/passive direct fire sights

99. ORGANIZE 3-MAN CREWS

100. ORIENT MAIN GUN

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

101. PASS THROUGH BREECH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

102. POP SMOKE

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles

103. POSITION TANKS TO COVER AVENUES OF APPROACH

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

104. POST AIR GUARDS

1. Operate intercommunications equipment

105. POST GROUND GUARDS

1. Operate intercommunications equipment

106. PREPARE ALTERNATE POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Use IR/passive direct fire sights

107. PREPARE HASTY DEFENSE POSITION

1. Operate intercommunications equipment
2. Traverse turret using power control handles

3. Elevate/depress main gun using power control handles
 4. Use IR/passive direct fire sights
108. PREPARE INDIVIDUAL POSITION
1. Operate intercommunications equipment
109. PREPARE RANGE CARDS
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Acquire targets
 6. Use IR/passive direct fire sights
110. PROVIDE SUPPLY STATUS
1. Operate intercommunications equipment
111. REENGAGE ENEMY
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Prepare to fire main gun
 6. Engage targets with main gun - normal mode
 7. Load coaxial machinegun
 8. Fire coaxial machinegun
 9. Identify US and foreign equipment
 10. Acquire targets
 11. Rank targets according to potential danger
 12. Sense rounds
 13. Track targets
 14. Use IR/passive direct fire sights
112. SHIFT SUPPRESSIVE FIRE
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Lay on target using Gunner's primary sight
 5. Prepare to fire main gun

6. Engage targets with main gun - normal mode
 7. Load coaxial machinegun
 8. Fire coaxial machinegun
 9. Identify US and foreign equipment
 10. Acquire targets
 11. Rank targets according to potential danger
 12. Sense rounds
 13. Track targets
 14. Use IR/passive direct fire sights
113. START THE ASSAULT
1. Operate intercommunications equipment
 2. Operate Commander's power control handle
 3. Operate Commander's weapon station in power mode
 4. Operate radio
114. TIE IN FLANK TANKS WITH OTHER TEAM ELEMENTS
1. Operate intercommunications equipment
 2. Traverse turret using power control handles
 3. Elevate/depress main gun using power control handles
 4. Track targets

DRIVER TASKS PERFORMED DURING EACH PLATOON TASK

1. ACCELERATE THE ATTACK

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds
16. Operate personnel heater - fan only

2. ACCELERATE TO MAXIMUM SPEED

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Perform evasive maneuvers
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds

3. CAMOUFLAGE TANKS

1. Operate intercommunications equipment

4. CEASE FIRE

1. Operate intercommunications equipment

5. COMPLETE AFTER OPERATION MAINTENANCE

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Check turret seal and drain valves
4. Operate intercommunications equipment
5. Perform before-operations maintenance checks and services on Driver's station
6. Check Driver's master panel switches
7. Test and adjust Driver compartment indicator lights and internal instrument lights
8. Check Driver's instrument panel switches and guages
9. Start engine - normal start
10. Make after-start checks on engine
11. Make after-start checks on warning and caution lights
12. Make after start checks on brakes
13. Place tank in motion
14. Troubleshoot night vision viewer (AN/VSS-2)
15. Troubleshoot gas particulate filter unit
16. Troubleshoot personnel heater
17. Troubleshoot transmission

6. COMPLETE AT HALT MAINTENANCE

1. Operate intercommunications equipment
2. Enter Driver's station
3. Open Driver's hatch and adjust Driver's seat and periscope
4. Check Driver's master panel switches
5. Test and adjust Driver compartment indicator lights and internal instrument lights
6. Check Driver's instrument panel switches and guages
7. Start engine - normal start
8. Perform after-operations checks

7. COMPLETE BATTLE POSITION

1. Operate intercommunications equipment

8. COMPLETE BYPASS PREPARTION

1. Operate intercommunications equipment

9. COMPLETE COMMUNICATION OPERATION CHECKS

1. Operate intercommunications equipment

10. COMPLETE EMERGENCY REPAIRS

1. Operate intercommunications equipment

11. COMPLETE READINESS

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Driver's station
5. Troubleshoot night vision viewer (AN-VSS-2)
6. Troubleshoot gas particulate filter unit
7. Troubleshoot personnel heater
8. Troubleshoot transmission

12. COMPLETE RESUPPLY

1. Operate intercommunications equipment
2. Refuel tank

13. COMPLETE WITHDRAWAL

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Maintain correct speed
9. Perform evasive maneuvers
10. Identify US and foreign equipment
11. Acquire targets
12. Sense rounds

14. CONDUCT FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Operate personnel heater - fan only

3. Drive tank up and down hills
 4. Drive tank over obstacles
 5. Drive tank across ditches
 6. Perform during-operations checks
 7. Maintain correct speed
 8. Identify US and foreign equipment
 9. Acquire targets
 10. Sense rounds
 11. Select route providing a stable firing platform
 12. Select a firing position
 13. Perform evasive maneuvers
 14. Close Driver's hatch
15. CONDUCT MOVEMENT TO CONTACT
1. Operate intercommunications equipment
 2. Place tank in motion
 3. Brake the tank
 4. Drive tank up and down hills
 5. Drive tank over obstacles
 6. Drive tank across ditches
 7. Perform during-operations checks
 8. Maintain correct speed
 9. Select route providing a stable firing platform
 10. Select a firing position
 11. Perform evasive maneuvers
 12. Identify US and foreign equipment
 13. Acquire targets
 14. Sense rounds
 15. Operate personnel heater - fan only
 16. Perform fuel transfer procedures
16. CONDUCT PASSAGE OF LINES
1. Operate intercommunications equipment
 2. Place tank in motion
 3. Steer the tank
 4. Brake the tank
 5. Drive tank up and down hills
 6. Drive tank over obstacles
 7. Drive tank across ditches

8. Perform during-operations checks
9. Maintain correct speed

17. CONDUCT PRE-FIRE CHECKS

1. Operate intercommunications equipment

18. CONDUCT SCHEDULED HALT

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Perform after-operations checks

19. CONDUCT SPECIFIED MOVEMENT

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Maintain correct speed
9. Select route providing a stable firing platform
10. Select a firing position
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds
15. Operate personnel heater - fan only
16. Perform fuel transfer procedures

20. CONTINUE APPROPRIATE MOVEMENT

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Drive into water obstacles

10. Drive out of water obstacles
 11. Maintain correct speed
 12. Select route providing a stable firing platform
 13. Select a firing position
 14. Perform evasive maneuvers
 15. Identify US and foreign equipment
 16. Acquire targets
 17. Operate personnel heater - fan only
 18. Perform fuel transfer procedures
21. CONTINUE BOUNDING OVERWATCH
1. Operate intercommunications equipment
 2. Perform fuel transfer procedures
22. CONTINUE BOUNDING REVERSE OVERWATCH
1. Operate intercommunications equipment
 2. Operate personnel heater - fan only
 3. Drive tank up and down hills
 4. Drive tank over obstacles
 5. Drive tank across ditches
 6. Perform during-operations checks
 7. Maintain correct speed
 8. Select route providing a stable firing platform
 9. Select a firing position
 10. Perform evasive maneuvers
 11. Identify US and foreign equipment
 12. Acquire targets
 13. Sense rounds
 14. Use intercom
 15. Perform fuel transfer procedures
23. CONTINUE BYPASS
1. Operate intercommunications equipment
 2. Place tank in motion
 3. Steer the tank
 4. Brake the tank
 5. Drive tank up and down hills
 6. Drive tank over obstacles
 7. Drive tank across ditches
 8. Maintain correct speed

24. CONTINUE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

25. CONTINUE DIRECT FIRE

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Drive tank up and down hills
5. Drive tank over obstacles
6. Drive tank across ditches
7. Perform during-operations checks
8. Maintain correct speed
9. Select route providing a stable firing platform
10. Select a firing position
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds
15. Operate personnel heater - fan only

26. CONTINUE FIRE

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Identify US and foreign equipment
4. Acquire targets
5. Sense rounds

27. CONTINUE FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan only
6. Drive tank up and down hills
7. Drive tank over obstacles
8. Drive tank across ditches

9. Ford shallow water
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

28. CONTINUE FIRING PREPARATIONS

1. Operate intercommunications equipment

29. CONTINUE FRONTAL FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan only
6. Perform during-operations checks
7. Select a firing position
8. Identify US and foreign equipment
9. Acquire targets
10. Sense rounds

30. CONTINUE READINESS ACTIONS

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Driver's station
5. Troubleshoot night vision viewer (AN/VSS-2)
6. Troubleshoot gas particulate filter unit
7. Troubleshoot personnel heater
8. Troubleshoot transmission

31. CONTINUE SUPPRESSIVE FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan only

6. Select a firing position
7. Perform evasive maneuvers
8. Identify US and foreign equipment
9. Acquire targets
10. Sense rounds
11. Perform during-operations checks

32. CONTINUE SUPPRESSIVE FIRES ON FLANK TARGETS

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan only
6. Drive tank up and down hills
7. Drive tank over obstacles
8. Drive tank across ditches
9. Perform during-operations checks
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

33. CONTINUE THE ASSAULT

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select a firing position
10. Perform evasive maneuvers
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Operate personnel heater - fan only

34. CONTINUE THE ATTACK

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds
16. Operate personnel heater - fan only

35. CONTINUE THE MATCH

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Perform during-operations checks
5. Maintain correct speed

36. CONTINUE TO DEFEND POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan only
6. Select a firing position
7. Identify US and foreign equipment
8. Acquire targets
9. Sense rounds

37. CONTINUE TRAVELING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Operate personnel heater - fan and heater
4. Drive tank up and down hills
5. Drive tank over obstacles
6. Drive tank across ditches
7. Perform during-operations checks
8. Maintain correct speed
9. Perform fuel transfer procedures

38. CORRECT INTERVAL BETWEEN TANKS

1. Operate intercommunications equipment
2. Maintain correct speed

39. CORRECT INTERVAL WITH LEAD PLATOON

1. Operate intercommunications equipment
2. Maintain correct speed

40. CORRECT SPEED OF TANKS

1. Operate intercommunications equipment
2. Maintain correct speed

41. CROSS CRITICAL POINTS

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

42. CROSS LINE OF DEPARTURE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

43. CROSS PHASE LINES

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

44. CROSS RELEASE POINT

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Maintain correct speed

45. CROSS START POINT

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Perform during-operations checks
5. Maintain correct speed

46. DEPLOY INTO DEFILADE POSITION

1. Operate intercommunications equipment
2. Drive tank up and down hills
3. Drive tank over obstacles
4. Drive tank across ditches
5. Steer the tank
6. Brake the tank
7. Perform during-operations checks
8. Maintain correct speed
9. Select route providing a stable firing platform
10. Select a firing position

47. DEPLOY INTO OVERWATCH POSITION

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Drive tank up and down hills
5. Drive tank over obstacles
6. Drive tank across ditches
7. Perform during-operations checks
8. Maintain correct speed
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds

48. DESTROY ENEMY ON OBJECTIVE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Close Driver's hatch
10. Perform during-operations checks
11. Maintain correct speed
12. Select route providing a stable firing platform
13. Select a firing position
14. Perform evasive maneuvers
15. Identify US and foreign equipment
16. Acquire targets
17. Sense rounds

49. DISTRIBUTE SUPPLIES

1. Operate intercommunications equipment
2. Refuel tank

50. ENGAGE ENEMY

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Close Driver's hatch
10. Perform during-operations checks
11. Maintain correct speed
12. Select route providing a stable firing platform
13. Select a firing position
14. Perform evasive maneuvers
15. Identify US and foreign equipment
16. Acquire targets
17. Sense rounds

51. ENGAGE ENEMY COVERING OBSTACLES

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Close Driver's hatch
10. Perform during-operations checks
11. Maintain correct speed
12. Select route providing a stable firing platform
13. Select a firing position
14. Perform evasive maneuvers
15. Identify US and foreign equipment
16. Acquire targets
17. Sense rounds

52. ENGAGE ENEMY WITH DEPTH FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Close Driver's hatch
10. Perform during-operations checks
11. Select a firing position
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

53. ENGAGE ENEMY WITH FRONTAL FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank

4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Perform during-operations checks
10. Select route providing a stable firing platform
11. Select a firing position
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

54. ENGAGE SURPRISE TARGETS

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan only
6. Close Driver's hatch
7. Drive tank up and down hills
8. Drive tank over obstacles
9. Drive tank across ditches
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

55. ENGAGE TARGETS OF OPPORTUNITY

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Close Driver's hatch

10. Perform during-operations checks
11. Maintain correct speed
12. Select route providing a stable firing platform
13. Select a firing position
14. Perform evasive maneuvers
15. Identify US and foreign equipment
16. Acquire targets
17. Sense rounds

56. EXECUTE BOUNDING OVERWATCH

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds
16. Perform fuel transfer procedures

57. EXECUTE BOUNDING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Drive tank up and down hills
7. Drive tank over obstacles
8. Drive tank across ditches
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position

12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

58. EXECUTE COIL FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform fuel transfer procedures

59. EXECUTE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

60. EXECUTE HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

61. EXECUTE TRAVELING

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Ford shallow water
10. Maintain correct speed
11. Select route providing a stable firing platform
12. Select a firing position
13. Perform evasive maneuvers
14. Identify US and foreign equipment
15. Acquire targets

16. Sense rounds
 17. Perform fuel transfer procedures
62. EXECUTE TRAVELING OVERWATCH
1. Operate intercommunications equipment
 2. Place tank in motion
 3. Steer the tank
 4. Brake the tank
 5. Drive tank over obstacles
 6. Drive tank across ditches
 7. Perform during-operations checks
 8. Ford shallow water
 9. Maintain correct speed
 10. Select route providing a stable firing platform
 11. Select a firing position
 12. Perform evasive maneuvers
 13. Identify US and foreign equipment
 14. Acquire targets
 15. Sense rounds
 16. Operate personnel heater - fan only
 17. Drive tank up and down hills
 18. Perform fuel transfer procedures
63. EXECUTE TRAVELING REVERSE OVERWATCH
1. Operate intercommunications equipment
 2. Operate personnel heater - fan only
 3. Drive tank up and down hills
 4. Drive tank over obstacles
 5. Drive tank across ditches
 6. Perform during-operations checks
 7. Maintain correct speed
 8. Select route providing a stable firing platform
 9. Select a firing position
 10. Perform evasive maneuvers
 11. Identify US and foreign equipment
 12. Acquire targets
 13. Sense rounds
 14. Perform fuel transfer procedures

64. HOLD COVERING FIRE POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Operate personnel heater - fan only
10. Select a firing position
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

65. HOLD FIRE

1. Operate intercommunications equipment

66. HOLD POSITION

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Perform during-operations checks
4. Select a firing position
5. Perform evasive maneuvers
6. Identify US and foreign equipment
7. Acquire targets
8. Sense rounds

67. INITIATE BYPASS

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches

8. Maintain correct speed
 9. Perform during-operations checks
 10. Perform evasive maneuvers
 11. Identify US and foreign equipment
 12. Acquire targets
 13. Sense rounds
68. INITIATE COVERING FIRE
1. Operate intercommunications equipment
 2. Operate personnel heater - fan only
 3. Close Driver's hatch
 4. Select a firing position
 5. Perform evasive maneuvers
 6. Identify US and foreign equipment
 7. Acquire targets
 8. Sense rounds
 9. Perform during-operations checks
69. INITIATE DISPLACEMENT
1. Operate intercommunications equipment
 2. Place the tank in motion
 3. Steer the tank
 4. Brake the tank
 5. Drive tank up and down hills
 6. Drive tank over obstacles
 7. Drive tank across ditches
 8. Perform during-operations checks
 9. Maintain correct speed
 10. Select route providing a stable firing platform
 11. Select a firing position
 12. Identify US and foreign equipment
 13. Acquire targets
 14. Sense rounds
70. INITIATE MOVEMENT
1. Operate intercommunications equipment
 2. Perform before-operations maintenance checks and services on Driver's station
 3. Start engine - normal start

4. Place tank in motion
5. Steer the tank
6. Brake the tank
7. Drive tank up and down hills
8. Drive tank over obstacles

71. INITIATE READINESS ACTIONS

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Driver's station
5. Check turret seal and drain valves
6. Shut down engine
7. Operate outside lights
8. Troubleshoot night vision viewer (AN/VSS-2)
9. Troubleshoot gas particulate filter unit
10. Troubleshoot personnel heater
11. Troubleshoot transmission

72. INITIATE WITHDRAWAL

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Perform evasive maneuvers
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds

73. JOIN TEAM IN BYPASS

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank

4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks

74. JOIN TEAM ON BATTLE POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Drive tank up and down hills
7. Drive tank over obstacles
8. Drive tank across ditches

75. JOIN TEAM ON OBJECTIVE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks

76. MAINTAIN ALERT AIR GUARDS

1. Operate intercommunications equipment

77. MAINTAIN BATTLE READINESS

1. Operate intercommunications equipment
2. Perform during-operations checks

78. MAINTAIN COVERING FIRE

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Perform during-operations checks

4. Select route providing a stable firing platform
5. Select a firing position
6. Perform evasive maneuvers
7. Identify US and foreign equipment
8. Acquire targets
9. Sense rounds

79. MAINTAIN SURVEILLANCE

1. Open Driver's hatch and adjust Driver's seat and periscope
2. Operate intercommunications equipment
3. Identify US and foreign equipment

80. MOVE INTO AREA RAPIDLY

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

81. MOVE INTO ASSAULT FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Close Driver's hatch

82. MOVE INTO ATTACK FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Close Driver's hatch
6. Perform during-operations checks

83. MOVE INTO ATTACK POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks

84. MOVE INTO DESIGNATED POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

85. MOVE INTO FLANK POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Select route providing a stable firing platform
10. Select a firing position
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds
15. Perform during-operations checks

86. MOVE INTO SUPPORT POSITION

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Drive tank up and down hills
5. Drive tank over obstacles
6. Drive tank across ditches
7. Ford shallow water
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

87. MOVE INTO SUPPRESSIVE FIRE POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Perform during-operations checks
10. Maintain correct speed
11. Select route providing a stable firing platform
12. Select a firing position
13. Perform evasive maneuvers
14. Identify US and foreign equipment
15. Acquire targets
16. Sense rounds

88. MOVE OUT IN PREVIOUS FORMATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds
16. Perform during-operations checks
17. Perform fuel transfer procedures

89. MOVE OUT OF ATTACK POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Perform during-operations checks
10. Identify US and foreign equipment
11. Acquire targets
12. Sense rounds
13. Maintain correct speed
14. Perform evasive maneuvers

90. MOVE TANKS INTO FIRING POSITION

1. Check turret seal and drain valves
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Select a firing position
6. Perform during-operations checks

91. MOVE TANKS INTO HULL DEFILADE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position

92. MOVE TANKS INTO TURRET DEFILADE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position

93. MOVE TANKS TO GOOD FIELDS OF FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position

94. MOVE TO POSITION TO SUPPORT BREECHING OPERATION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Perform after-operations checks
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds

95. MOVE TO THE FLANK

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Ford shallow water
9. Select route providing a stable firing platform
10. Select a firing position
11. Perform evasive maneuvers

12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

96. OCCUPY ASSIGNED AREA

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Select a firing position

97. OCCUPY SUCCESSIVE DELAY POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Select route providing a stable firing position
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets

98. OPEN FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Close Driver's hatch
9. Operate personnel heater - fan only
10. Perform during-operations checks

11. Ford shallow water
 12. Maintain correct speed
 13. Select route providing a stable firing platform
 14. Select a firing position
 15. Perform evasive maneuvers
 16. Identify US and foreign equipment
 17. Acquire targets
 18. Sense rounds
99. ORGANIZE 3-MAN CREWS
100. ORIENT MAIN GUNS
1. Operate intercommunications equipment
101. PASS THROUGH BREECH
1. Operate intercommunications equipment
 2. Place tank in motion
 3. Steer the tank
 4. Brake the tank
 5. Drive tank up and down hills
 6. Drive tank over obstacles
 7. Drive tank across ditches
 8. Perform during-operations checks
 9. Maintain correct speed
 10. Select route providing a stable firing platform
 11. Select a firing position
 12. Perform evasive maneuvers
 13. Identify US and foreign equipment
 14. Acquire targets
 15. Sense rounds
102. POP SMOKE
1. Operate intercommunications equipment
 2. Operate smoke generator
 3. Perform during-operations checks

103. POSITION TANKS TO COVER AVENUES OF APPROACH

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks

104. POST AIR GUARDS

1. Operate intercommunications equipment

105. POST GROUND GUARDS

1. Operate intercommunications equipment

106. PREPARE ALTERNATE POSITION

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks

107. PREPARE HASTY DEFENSE POSITION

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Place tank in motion
5. Perform during-operations checks

108. PREPARE INDIVIDUAL POSITIONS

109. PREPARE RANGE CARDS

110. PROVIDE SUPPLY STATUS

1. Operate intercommunications equipment

111. REENGAGE ENEMY

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank

5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Perform during-operations checks
10. Maintain correct speed
11. Select route providing a stable firing platform
12. Select a firing position
13. Perform evasive maneuvers
14. Identify US and foreign equipment
15. Acquire targets
16. Sense rounds

112. SHIFT SUPPRESSIVE FIRE

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Perform during-operations checks
10. Select a firing position
11. Perform evasive maneuvers
12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

113. START THE ASSAULT

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio

114. TIE IN FLANK TANKS WITH OTHER TEAM ELEMENTS

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks

LOADER TASKS PERFORMED DURING EACH PLATOON TASK

1. ACCELERATE THE ATTACK

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

2. ACCELERATE TO MAXIMUM SPEED

1. Operate intercommunications equipment

3. CAMOUFLAGE TANK

1. Operate intercommunications equipment

4. CEASE FIRE

1. Operate intercommunications equipment

5. COMPLETE AFTER OPERATION MAINTENANCE

1. Operate intercommunications equipment
2. Install Loader's machinegun
3. Perform before-operations maintenance checks and services on Loader's mg and the 105mm gun tube
4. Operate the Loader's hatch

6. COMPLETE AT HALT MAINTENANCE

1. Operate intercommunications equipment
2. Adjust Loader's seat and platform
3. Exit tank

7. COMPLETE BATTLE POSITION

1. Operate intercommunications equipment

8. COMPLETE BYPASS PREPARATION

1. Operate intercommunications equipment

9. COMPLETE COMMUNICATION OPERATIONAL CHECKS

1. Operate intercommunications equipment

10. COMPLETE EMERGENCY REPAIRS

1. Operate intercommunications equipment

11. COMPLETE READINESS

1. Operate intercommunications equipment

12. COMPLETE RESUPPLY

1. Operate intercommunications equipment
2. Open the hull ammo compartment door
3. Close the hull ammo compartment door
4. Stow 105mm ammo in the hull ammo compartment
5. Stow 105mm ammo in the ready ammo compartment
6. Stow 105mm ammo in the semi-ready ammo compartment

13. COMPLETE WITHDRAWAL

1. Operate intercommunications equipment

14. CONDUCT FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Empty the Loader's machinegun spent case can
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition

15. CONDUCT MOVEMENT TO CONTACT

1. Operate domelight
2. Operate intercommunications equipment
3. Remove an 105mm round from the ammo stowage racks
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun

7. Acquire targets
 8. Rank targets according to potential danger
 9. Identify US and foreign equipment
 10. Identify main gun ammunition
16. CONDUCT PASSAGE OF LINES
1. Operate intercommunications equipment
17. CONDUCT PRE-FIRE CHECKS
1. Operate intercommunications equipment
 2. Install Loader's machinegun
 3. Perform before-operations maintenance checks and services on Loader's mg and the 105mm gun tube
 4. Operate the Loader's hatch
 5. Enter Loader's hatch
 6. Open the breech manually
 7. Close the breech manually
 8. Check the replenisher
18. CONDUCT SCHEDULED HALT
1. Operate intercommunications equipment
19. CONDUCT SPECIFIED MOVEMENT
1. Operate intercommunications equipment
 2. Acquire targets
 3. Rank targets according to potential danger
 4. Identify US and foreign equipment
20. CONTINUE APPROPRIATE MOVEMENT
1. Operate intercommunications equipment
 2. Acquire targets
 3. Rank targets according to potential danger
 4. Identify US and foreign equipment
 5. Identify main gun ammunition
21. CONTINUE BOUNDING OVERWATCH
1. Operate intercommunications equipment
 2. Remove an 105mm round from the ammo stowage racks
 3. Check the replenisher
 4. Load the main gun

5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

22. CONTINUE BOUNDING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Perform the manual extraction of a round
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Fire the Loader's machinegun
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition

23. CONTINUE BYPASS

1. Operate intercommunications equipment
2. Load the coaxial machinegun
3. Load the Loader's machinegun
4. Fire the Loader's machinegun
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Identify main gun ammunition

24. CONTINUE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment

25. CONTINUE DIRECT FIRE

26. CONTINUE FIRE

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Operate the Loader's night vision viewer
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

27. CONTINUE FIRE AND MANEUVER

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Operate the Loader's night vision viewer
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

28. CONTINUE FIRING PREPARATIONS

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger

10. Identify US and foreign equipment
11. Identify main gun ammunition

29. CONTINUE FRONTAL FIRE

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Identify main gun ammunition

30. CONTINUE READINESS ACTIONS

1. Install Loader's machinegun
2. Perform before-operations maintenance checks and services on Loader's mg and the 105mm gun tube
3. Operate the Loader's station
4. Enter Loader's station
5. Operate intercommunications equipment
6. Adjust Loader's seat and platform
7. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
8. Install and operate Loader's periscope
9. Position Loader's guards for firing
10. Operate Loader's panel
11. Unlock main gun elevation travel lock
12. Unlock the turret traverse lock
13. Open the breech manually
14. Close the breech manually
15. Check the replenisher

31. CONTINUE SUPPRESSIVE FIRE

1. Operate intercommunications equipment
2. Remove the 105mm round from the ammo stowage racks
3. Check the replenisher

4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

32. CONTINUE SUPPRESSIVE FIRES ON FLANK TARGETS

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

33. CONTINUE THE ASSAULT

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

34. CONTINUE THE ATTACK

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

35. CONTINUE THE MARCH

1. Operate intercommunications equipment

36. CONTINUE TO DEFEND POSITION

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Empty the Loader's machinegun spent case can
9. Operate the gas particulate filter system
10. Acquire targets
11. Rank targets according to potential danger
12. Identify US and foreign equipment
13. Identify main gun ammunition

37. CONTINUE TRAVELING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun

6. Load the Loader's machinegun
 7. Fire the Loader's machinegun
 8. Empty the Loader's machinegun spent case can
 9. Acquire targets
 10. Rank targets according to potential danger
 11. Identify US and foreign equipment
 12. Identify main gun ammunition
38. CORRECT INTERVAL BETWEEN TANKS
1. Operate intercommunications equipment
39. MAINTAIN COVERING FIRE
1. Operate intercommunications equipment
 2. Remove an 105mm round from the ammo stowage racks
 3. Check the replenisher
 4. Load the main gun
 5. Load the coaxial machinegun
 6. Load the Loader's machinegun
 7. Fire the Loader's machinegun
 8. Empty the Loader's machinegun spent case can
 9. Acquire targets
 10. Rank targets according to potential danger
 11. Identify US and foreign equipment
 12. Identify main gun ammunition
40. CORRECT SPEED OF TANKS
1. Operate intercommunications equipment
41. CROSS CRITICAL POINTS
1. Operate intercommunications equipment
42. CROSS LINE OF DEPARTURE
1. Operate intercommunications equipment
43. CROSS PHASE LINES
1. Operate intercommunications equipment
44. CROSS RELEASE POINT
1. Operate intercommunications equipment

45. CROSS START POINT

1. Operate intercommunications equipment

46. DEPLOY INTO DEFILADE POSITION

1. Operate intercommunications equipment

47. DEPLOY INTO OVERWATCH POSITION

1. Operate intercommunications equipment

48. DESTROY ENEMY ON OBJECTIVE

1. Operate intercommunications equipment
2. Load the main gun
3. Load the coaxial machinegun
4. Load the Loader's machinegun
5. Fire the Loader's machinegun
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Identify main gun ammunition

49. DISTRIBUTE SUPPLIES

1. Operate intercommunications equipment
2. Stow 105mm ammo in the hull ammo compartment
3. Stow 105mm ammo in the ready ammo compartment
4. Stow 105mm ammo in the semi-ready compartment
5. Stow 105mm ammo in the turret floor ready racks
6. Exit tank
7. Identify main gun ammunition

50. ENGAGE ENEMY

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Acquire targets
8. Rank targets according to potential danger

9. Identify US and foreign equipment
10. Identify main gun ammunition

51. ENGAGE ENEMY COVERING OBSTACLE

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

52. ENGAGE ENEMY WITH DEPTH FIRE

1. Operate intercom
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Check the replenisher
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

53. ENGAGE ENEMY WITH FRONTAL FIRE

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Acquire targets

8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Identify main gun ammunition

54. ENGAGE SURPRISE TARGETS

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

55. ENGAGE TARGETS OF OPPORTUNITY

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

56. EXECUTE BOUNDING OVERWATCH

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun

8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

57. EXECUTE BOUNDING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Empty the Loader's machinegun spent case can
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition

58. EXECUTE COIL FORMATION

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun

59. EXECUTE COIL OR HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Identify main gun ammunition

60. EXECUTE HERRINGBONE FORMATION

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Identify main gun ammunition

61. EXECUTE TRAVELING

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment

62. EXECUTE TRAVELING OVERWATCH

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment
5. Identify main gun ammunition

63. EXECUTE TRAVELING REVERSE OVERWATCH

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment
5. Identify main gun ammunition

64. HOLD COVERING FIRE POSITION

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun

7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

65. HOLD FIRE

1. Operate intercommunications equipment
2. Operate domelight
3. Check the replenisher
4. Load the Loader's machinegun
5. Install the Loader's night vision viewer
6. Operate the Loader's night vision viewer
7. Remove the Loader's night vision viewer
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

66. HOLD POSITION

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

67. INITIATE BYPASS

1. Operate intercommunications equipment

68. INITIATE COVERING FIRE

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher

4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Empty the Loader's machinegun spent case can
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition

69. INITIATE DISPLACEMENT

1. Operate intercommunications equipment

70. INITIATE MOVEMENT

1. Operate the Loader's hatch
2. Enter Loader's station
3. Operate intercommunications equipment
4. Adjust Loader's seat and platform

71. INITIATE READINESS ACTIONS

1. Operate intercommunications equipment
2. Erect crosswind sensor
3. Perform before-operations maintenance checks and services on Loader's mg and the 105mm gun tube
4. Operate the Loader's hatch

72. INITIATE WITHDRAWAL

1. Operate intercommunications equipment

73. JOIN TEAM IN BYPASS

1. Operate intercommunications equipment

74. JOIN TEAM ON BATTLE POSITION

1. Operate intercommunications equipment

75. JOIN TEAM ON OBJECTIVE

1. Operate intercommunications equipment

76. MAINTAIN ALERT AIR GUARDS

1. Operate intercommunications equipment

77. MAINTAIN BATTLE READINESS

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Empty the Loader's machinegun spent case can

78. MAINTAIN COVERING FIRE

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Empty the Loader's machinegun spent case can
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition

79. MAINTAIN SURVEILLANCE

1. Operate domelight
2. Operate intercommunications equipment
3. Acquire targets
4. Rank targets according to potential danger
5. Identify US and foreign equipment
6. Identify main gun ammunition

80. MOVE INTO AREA RAPIDLY

1. Operate intercommunications equipment

81. MOVE INTO ASSAULT FORMATION

1. Operate intercommunications equipment

82. MOVE INTO ATTACK FORMATION

1. Operate intercommunications equipment

83. MOVE INTO ATTACK POSITION

1. Operate intercommunications equipment

84. MOVE INTO DESIGNATED POSITION
 1. Operate intercommunications equipment
85. MOVE INTO FLANK POSITION
 1. Operate intercommunications equipment
86. MOVE INTO SUPPORT POSITION
 1. Operate intercommunications equipment
87. MOVE INTO SUPPRESSIVE FIRE POSITION
 1. Operate intercommunications equipment
88. MOVE OUT IN PREVIOUS FORMATION
 1. Operate intercommunications equipment
 2. Acquire targets
 3. Rank targets according to potential danger
 4. Identify US and foreign equipment
 5. Identify main gun ammunition
89. MOVE OUT OF ATTACK POSITION
 1. Operate intercommunications equipment
90. MOVE TANKS INTO FIRING POSITION
 1. Operate intercommunications equipment
91. MOVE TANK INTO HULL DEFILADE
 1. Operate intercommunications equipment
92. MOVE TANKS INTO TURRET DEFILADE
 1. Operate intercommunications equipment
93. MOVE TANKS TO GOOD FIELDS OF FIRE
 1. Operate intercommunications equipment
 2. Operate the Loader's hatch
94. MOVE TO POSITION TO SUPPORT BREECHING OPERATION
 1. Operate intercommunications equipment
95. MOVE TO THE FLANK
 1. Operate intercommunications equipment

96. OCCUPY ASSIGNED AREA

1. Operate intercommunications equipment

97. OCCUPY SUCCESSIVE DELAY POSITION

1. Operate intercommunications equipment

98. OPEN FIRE

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Check the replenisher
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

99. ORGANIZE 3-MAN CREWS

100. ORIENT MAIN GUNS

1. Operate intercommunications equipment

101. PASS THROUGH BREECH

1. Operate intercommunications equipment

102. POP SMOKE

1. Operate intercommunications equipment

103. POSITION TANKS TO COVER AVENUES OF APPROACH

1. Operate intercommunications equipment

104. POST AIR GUARDS

1. Operate intercommunications equipment

105. POST GROUND GUARDS

1. Operate intercommunications equipment

106. PREPARE ALTERNATE POSITION

1. Operate intercommunications equipment

107. PREPARE HASTY DEFENSE POSITION

1. Operate intercommunications equipment

108. PREPARE INDIVIDUAL POSITIONS

1. Operate intercommunications equipment

109. PREPARE RANGE CARDS

1. Operate intercommunications equipment

110. PROVIDE SUPPLY STATUS

1. Operate intercommunications equipment

2. Exit tank

3. Identify main gun ammunition

111. REENGAGE ENEMY

1. Operate intercommunications equipment

2. Remove an 105mm round from the ammo stowage racks

3. Check the replenisher

4. Load the main gun

5. Load the coaxial machinegun

6. Load the Loader's machinegun

7. Fire the Loader's machinegun

8. Acquire targets

9. Rank targets according to potential danger

10. Identify US and foreign equipment

11. Identify main gun ammunition

112. SHIFT SUPPRESSIVE FIRE

1. Operate intercommunications equipment

2. Remove an 105mm round from the ammo stowage racks

3. Check the replenisher

4. Load the main gun

5. Load the coaxial machinegun

6. Load the Loader's machinegun

7. Fire the Loader's machinegun

8. Acquire the targets

9. Rank targets according to potential danger

113. START THE ASSAULT

1. Operate intercommunications equipment

114. TIE IN FLANK TANKS WITH OTHER TEAM ELEMENTS

1. Operate intercommunications equipment

APPENDIX D
CREW TASK COMPONENTS

INDIVIDUAL TASK COMPONENTS
OF CREW TASKS

Camouflage Tank

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

1. Operate intercommunications equipment

Loader Tasks

1. Operate intercommunications equipment

Driver Tasks

1. Operate intercommunications equipment

Communicate With Other Crewmen on Intercom

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

1. Operate intercommunications equipment

Loader Tasks

1. Operate intercommunications equipment

Driver Tasks

1. Operate intercommunications equipment

**Conduct a Water Crossing
(Without Deep Water Fording Kit)**

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

1. Operate intercommunications equipment
2. Elevate/depress main gun using power control handle

Loader Tasks

1. Operate intercommunications equipment

Driver Tasks

1. Operate intercommunications equipment
2. Close driver's hatch
3. Place tank in motion
4. Steer the tank
5. Drive into water obstacle
6. Check driver's instrument panel switches and gauges
7. Drive out of water obstacle

Conduct Prepare to Fire Checks

Tank Commander Tasks

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on TC's station
3. Test commander's panel lights and switches
4. Prepare GPS extension for operation
5. Operate commander's weapon station in power mode
6. Check and adjust headspace on commander's machinegun
7. Check and adjust timing on commander's machinegun
8. Operate rangefinder

Gunner Tasks

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on gunner's station
3. Test GPS and TIS panel lights
4. Prepare gunner's primary sight for operation
5. Prepare thermal imaging system for operation
6. Focus thermal imaging system picture
7. Prepare laser rangefinder for operation
8. Prepare gunner's auxiliary sight for operation
9. Prepare ballistic computer for operation
10. Test gunner's station caution and warning lights
11. Perform GPS functional check
12. Perform computer self-test
13. Perform thermal imaging system built-in test
14. Perform gun/turret drive--LOS tracking check
15. Perform lead system check
16. Perform firing circuit tests
17. Perform boresighting check
18. Align muzzle reference sensor
19. Perform crosswind sensor check
20. Perform computer data check
21. Perform cant unit check
22. Perform lead accuracy check
23. Perform superelevation check
24. Identify malfunctions in fire control & weapon system
25. Take recommended actions to correct malfunctions
26. Notify TC if recommended corrective actions do not correct
27. Traverse turret using power control handle
28. Elevate/depress main gun using power control handle
29. Manually input fire control data for manual parameter into ballistic computer
30. Manually input fire control data for auto parameter into ballistic computer

Loader Tasks

1. Operate intercommunications equipment
2. Power up loader's station
3. Install and operate loader's periscopes
4. Operate loader's panel
5. Check the replenisher
6. Check the turret networks box

Driver Tasks

1. Operate intercommunications equipment
2. Start engine - normal start
3. Check the driver's master panel switches
4. Test and adjust driver's compartment indicator lights and internal instrument lights
5. Check driver's instrument panel switches and gauges

Cross Various Obstacles

Tank Commander Tasks

- 1. Operate intercommunications equipment**

Gunner Tasks

Loader Tasks

Driver Tasks

- 1. Operate intercommunications equipment**
- 2. Steer the tank**
- 3. Brake the tank**
- 4. Drive tank over obstacles**
- 5. Check driver's instrument panel and gauges**
- 6. Perform during-operation checks**

Drive Tank from One Location to Another

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

Loader Tasks

Driver Tasks

1. Operate intercommunications equipment
2. Start engine - normal start
3. Make after-start checks on engine
4. Make after-start checks on brakes
5. Make after-start checks on warning and caution lights
6. Make after-start checks on hydraulics
7. Place tank in motion
8. Steer the tank
9. Brake the tank
10. Drive tank up and down hills
11. Drive tank over obstacles
12. Drive tank across ditches
13. Check driver's instrument panel switches and gauges
14. Operate tank on snow or ice
15. Operate tank on sand and mud
16. Ford shallow water
17. Maintain correct speed
18. Check driver's master panel switches
19. Operate driver's night vision viewer
20. Perform during operation maintenance checks
21. Perform fuel transfer procedures

Evacuate Wounded Crewmen

Tank Commander Tasks

Gunner Tasks

Loader Tasks

Driver Tasks

1. Remove injured crewmember through loader's hatch

Evade an ATGM

Tank Commander Tasks

1. Operate intercommunications equipment
2. Operate radio
3. Identify US and foreign equipment
4. Issue fire command
5. Lay gun for direction
6. Operate commander's power control handle
7. Fire grenades
- *8. Take immediate action for misfire of grenade launcher

Gunner Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Elevate/depress main gun using power control handle
4. Engage targets with main gun - normal mode
5. Identify US and foreign equipment
6. Lay on target using gunner's primary sight
7. Range to target using LRF
8. Sense rounds
9. Traverse target using power control handle

Loader Tasks

1. Operate intercommunications equipment
2. Operate loader's panel
3. Automatically operate the ready ammunition compartment door
4. Identify main gun ammunition
5. Remove a 105mm ammo round from the ammunition stowage racks
6. Load the main gun

Driver Tasks

1. Perform evasive maneuvers
2. Seek defilade position
3. Brake the tank
4. Operate personnel heater-fan only
5. Operate smoke generator
6. Place tank in motion
7. Steer the tank

*Contingency tasks

Fire a Multiple Engagement

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Operate commander's power control handle
8. Lay gun for direction
9. Operate rangefinder
10. Sense rounds
- *11. Fire main gun from TC's position
- *12. Perform misfire procedure on main gun
- *13. Operate gas particulate filter system
14. Perform during-firing checks and services

Gunner Tasks

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Search for targets
5. Acquire targets
6. Lay on target using gunner's primary sight
7. Identify US and foreign equipment
8. Focus thermal imaging system (night operation)
9. Range to target using laser rangefinder
10. Track targets (moving target engagement)
11. Engage targets with main gun - normal mode
12. Sense rounds
- *13. Engage targets with main gun - emergency mode
- *14. Engage targets with main gun - manual mode
- *15. Perform main gun failure to fire procedures
- *16. Lay on target using gunner's auxiliary sight
- *17. Operate gas particulate filter system

Loader Tasks

1. Operate intercommunications equipment
2. Operate domelight
3. Position loader's guards for firing
4. Power up loader's station
5. Check the replenisher
6. Operate loader's panel
7. Automatically operate ready ammo compartment door
8. Identify main gun ammunition
9. Remove a 105mm round from the ammo stowage racks
10. Load the main gun
- *11. Clear the main gun
- *12. Perform manual extraction of a round
- *13. Operate gas particulate filter system

*Contingency tasks

Driver Tasks

1. Operate intercommunications equipment
2. Close driver's hatch
3. Identify US and foreign equipment
4. Select route providing a stable firing platform (target engagement while on the move)
5. Sense rounds
6. Steer the tank
7. Brake the tank (target engagement while at the halt)
8. Select a firing position
9. Operate personnel heater-fan only
10. Perform during-operations maintenance checks
- *11. Operate gas particulate filter system

*Contingency tasks

Fire a Simultaneous Engagement

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Operate commander's power control handle
8. Lay gun for direction
9. Operate rangefinder
10. Sense rounds
11. Load commander's machinegun
12. Operate commander's hatch
13. Operate commander's weapon station in power mode
14. Fire commander's machinegun
- *15. Clear commander's machinegun
- *16. Clear misfire in commander's machinegun
- *17. Operate commander's weapon station in manual mode
- *18. Perform misfire procedures on main gun
- *19. Operate gas particulate filter system

Gunner Tasks

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Search for targets
5. Acquire targets
6. Lay on target using gunner's primary sight
7. Identify US and foreign equipment
8. Focus thermal imaging system (night operation)
9. Range to target using laser rangefinder
10. Track targets (moving target engagement)
11. Engage targets with main gun - normal mode
12. Sense rounds
- *13. Engage targets with main gun - emergency mode
- *14. Engage targets with main gun - manual mode
- *15. Perform main gun failure to fire procedures
- *16. Lay on target using gunner's auxiliary sight
- *17. Operate gas particulate filter system

Loader Tasks

1. Operate intercommunications equipment
2. Operate domelight
3. Position loader's guards for firing
4. Power up loader's station
5. Check the replenisher

*Contingency tasks

6. Operate loader's panel
7. Automatically operate ready ammo compartment door
8. Identify main gun ammunition
9. Remove a 105mm round from the ammo stowage racks
10. Load the main gun
- *11. Clear the main gun
- *12. Perform manual extraction of a round
- *13. Operate gas particulate filter system

Driver Tasks

1. Operate intercommunications equipment
2. Close driver's hatch
3. Identify US and foreign equipment
4. Select route providing a stable firing platform (target engagement while on the move)
5. Sense rounds
6. Steer the tank
7. Brake the tank (target engagement when at a halt)
8. Operate personnel heater-fan only
9. Select a firing position
10. Perform during-operations maintenance checks
- *11. Operate gas particulate filter system

*Contingency tasks

Fire Coaxial Machinegun

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Operate commander's power control handle
8. Lay gun for direction
9. Sense rounds
- *10. Operate gas particulate filter system
11. Perform during-firing checks and services

Gunner Tasks

1. Operate intercommunications equipment
2. Load coaxial machinegun
3. Traverse turret using power control handle
4. Elevate/depress main gun using power control handle
5. Search for targets
6. Acquire targets
7. Lay on target using gunner's primary sight
8. Identify US and foreign equipment
9. Focus thermal imaging system (night operation)
10. Track targets (moving target engagement)
11. Fire coaxial machinegun
- *12. Stop runaway firing of coaxial machinegun
- *13. Sense rounds
- *14. Clear coaxial machinegun
- *15. Clear misfire in coaxial machinegun
- *16. Operate gas particulate filter system

Loader Tasks

1. Operate intercommunications equipment
2. Operate domelight
3. Power up loader's station
4. Operate loader's panel
5. Load coaxial machinegun
- *6. Clear loader's machinegun
- *7. Operate gas particulate filter system

*Contingency tasks

Driver Tasks

1. Operate intercommunications equipment
2. Close driver's hatch
3. Identify US and foreign equipment
4. Select route providing a stable firing platform (target engagement while on the move)
5. Sense rounds
6. Steer the tank
7. Brake the tank (target engagement when at the halt)
8. Operate personnel heater-fan only
9. Select a firing position
10. Perform during-operation firing checks
- *11. Operate gas particulate filter system

***Contingency tasks**

Fire the Caliber .50 Machinegun from a Moving Vehicle

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Load commander's weapon
8. Operate commander's hatch
9. Operate commander's weapon station in power mode
10. Fire commander's machinegun
11. Sense rounds
- *12. Operate commander's weapon station in manual mode
- *13. Clear commander's machinegun
- *14. Clear misfire in commander's machinegun
15. Perform during-firing checks and services

Gunner Tasks

1. Operate intercommunications equipment

Loader Tasks

1. Operate intercommunications equipment

Driver Tasks

1. Operate intercommunications equipment
2. Identify US and foreign equipment
3. Select route providing a stable firing platform
4. Sense rounds
5. Steer the tank
6. Operate personnel heater-fan only
7. Perform during-operations maintenance checks

*Contingency tasks

Fire the Loader's Machinegun from a Moving Vehicle

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Sense rounds

Gunner Tasks

1. Operate intercommunications equipment

Loader Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential range
4. Identify US and foreign equipment
5. Load the loader's machinegun
6. Fire the loader's machinegun
7. Sense rounds
- *8. Clear the loader's machinegun
- *9. Change the barrel on the loader's machinegun

Driver Tasks

1. Operate intercommunications equipment
2. Identify US and foreign equipment
3. Select route providing a stable firing platform
4. Sense rounds
5. Steer the tank
6. Perform during-operations maintenance checks

***Contingency tasks**

Fire the Main Gun - Emergency Mode

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Operate commander's power control handle
8. Lay gun for direction
9. Operate rangefinder
10. Sense rounds
- *11. Fire main gun from TC's position
- *12. Perform misfire procedures on main gun
- *13. Operate gas particulate filter system
14. Perform during-firing checks and services

Gunner Tasks

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Search for targets
5. Acquire targets
6. Lay on target using gunner's primary sight
7. Identify US and foreign equipment
8. Focus thermal imaging system (night operation)
9. Range to target using laser rangefinder
10. Track targets (moving target engagement)
11. Engage targets with main gun - emergency mode
12. Sense rounds
- *13. Engage targets with main gun - normal mode
- *14. Perform main gun failure to fire misfire procedures
- *15. Lay gun on target using gunner's auxiliary sight
- *16. Operate gas particulate filter system
- *17. Identify malfunctions in fire control & weapon system
- *18. Notify TC if recommended corrective actions do not correct

Load Tasks

1. Operate intercommunications equipment
2. Operate domelight
3. Position loader's guards for firing
4. Power up loader's station
5. Check the replenisher
6. Operate loader's panel
7. Automatically operate ready ammo compartment door
8. Identify main gun ammunition

*Contingency tasks

9. Remove a 105mm round from the ammo stowage racks
10. Load the main gun
- *11. Clear the main gun
- *12. Perform manual extraction of a round
- *13. Operate gas particulate filter system

Driver Tasks

1. Operate intercommunications equipment
2. Close driver's hatch
3. Identify US and foreign equipment
4. Select a firing position
5. Brake the tank
6. Sense rounds
7. Operate personnel heater-fan only
- *8. Operate gas particulate filter system

*Contingency tasks

Fire the Main Gun - Manual Mode

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Operate commander's power control handle
8. Lay gun for direction
9. Operate rangefinder
10. Sense rounds
- *11. Fire main gun from TC's position
- *12. Perform misfire procedure on main gun
- *13. Operate gas particulate filter system
14. Perform during firing checks and services

Gunner Tasks

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Search for targets
5. Acquire targets
6. Lay on target using gunner's auxiliary sight
7. Identify US and foreign equipment
8. Range to target using laser rangefinder
9. Track target (moving target engagement)
10. Engage targets with main gun - manual mode
11. Sense rounds
- *12. Perform main gun failure to fire misfire procedure
- *13. Operate gas particulate filter system
14. Identify malfunctions in fire control & weapon system
15. Notify TC if recommended corrective actions do not correct

Loader Tasks

1. Operate intercommunications equipment
2. Operate domelight
3. Position loader's guards for firing
4. Power up loader's station
5. Check the replenisher
6. Operate loader's panel
7. Automatically operate ready ammo compartment door
8. Identify main gun ammunition
9. Remove a 105mm round from the ammo stowage racks
10. Load the main gun
- *11. Clear the main gun
- *12. Perform manual extraction of a round
- *13. Operate gas particulate filter system

*Contingency tasks

Driver Tasks

1. Operate intercommunications equipment
2. Select route providing a stable firing platform
3. Identify US and foreign equipment
4. Select a firing position
5. Brake the tank
6. Sense rounds
7. Operate personnel heater-fan only
- *8. Operate gas particulate filter system

*Contingency tasks

Fire the Main Gun - Normal Mode

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Estimate range
4. Identify US and foreign equipment
5. Rank targets according to potential danger
6. Issue fire command
7. Operate commander's power control handle
8. Lay gun for direction
9. Operate rangefinder
10. Sense rounds
- *11. Fire main gun from TC's position
- *12. Perform misfire procedures on main gun
- *13. Operate gas particulate filter system
14. Perform during-firing checks and services

Gunner Tasks

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Search for targets
5. Acquire targets
6. Lay on target using gunner's primary sight
7. Identify US and foreign equipment
8. Focus thermal imaging system (night operation)
9. Range to target using laser rangefinder
10. Track targets (moving target engagement)
11. Engage targets with main gun - normal mode
12. Sense rounds
- *13. Engage targets with main gun - emergency mode
- *14. Engage targets with main gun - manual mode
- *15. Perform main gun failure to fire procedures
- *16. Lay on target using gunner's auxiliary sight
- *17. Operate gas particulate filter system

Loader Tasks

1. Operate intercommunications equipment
2. Operate domelight
3. Position loader's guards for firing
4. Power up loader's station
5. Check the replenisher
6. Operate loader's panel
7. Automatically operate ready ammo compartment door
8. Identify main gun ammunition
9. Remove a 105mm round from the ammo stowage racks

*Contingency tasks

10. Load the main gun
- *11. Clear the main gun
- *12. Perform manual extraction of a round
- *13. Operate gas particulate filter system

Driver Tasks

1. Operate intercommunications equipment
2. Close driver's hatch
3. Identify US and foreign equipment
4. Select route providing a stable firing platform (target engagement while on the move)
5. Sense rounds
6. Steer the tank
7. Brake the tank (target engagement while at the halt)
8. Operate personnel heater-fan only
9. Select a firing position
10. Perform during operations maintenance checks
- *11. Operate gas particulate filter system

*Contingency tasks

Maintain Position Within Platoon Formation

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

Loader Tasks

Driver Tasks

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Drive tank up and down hills
5. Drive tank over obstacles
6. Drive tank across ditches
7. Maintain correct speed
8. Perform during-operation checks
9. Check driver's instrument panel switches and gauges
10. Operate tank on snow or ice
11. Operate tank in sand or mud
12. Ford shallow water
13. Perform fuel transfer procedures

Perform User Maintenance

Tank Commander Tasks

1. Perform before-firing checks and services
2. Perform during-firing checks and services
3. Perform after-firing checks and services
4. Perform before-operations maintenance checks and services on the commander's machinegun
5. Perform before-operations maintenance checks and services on TC's station
6. Test commander's panel lights and switches

Gunner Tasks

1. Perform before-operations maintenance checks and services on gunner's machinegun
2. Perform before-operations maintenance checks and services on gunner's station
3. Identify malfunctions in fire control and weapon system
4. Take recommended actions to correct malfunctions
5. Notify TC if recommended corrective actions do not correct

Loader Tasks

1. Perform before-operations maintenance checks and services on loader's machinegun and 105mm gun tube
2. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
3. Check turret networks box

Driver Tasks

1. Perform before-operations maintenance checks and services on driver's station
2. Check driver's master panel switches
3. Start engine - normal start
4. Check driver's instrument panel switches and gauges
5. Make after-start checks on engine
6. Place tank in motion
7. Make after-start checks on brakes
8. Make after-start checks on warning and caution light
9. Perform during-operations maintenance checks
10. Perform after-operations maintenance checks and services
11. Check turret seal and drain valves
12. Make after-start check on hydraulics
13. Perform at-halt maintenance checks and services
14. Test and adjust driver compartment indicator lights and internal instrument lights
15. Troubleshoot gas particulate filter system

16. Troubleshoot night vision viewer
17. Troubleshoot personnel heater
18. Troubleshoot hydraulics
19. Shut down engine
20. Refuel tank
21. Replace front blackout marker lamp
22. Replace headlight lamp
23. Replace taillight lamp

**Prepare Tank After Water Crossing
(Without Deep Water Fording Kit)**

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

Loader Tasks

Driver Tasks

1. Operate intercommunications equipment
2. Check turret seal and drain valves
3. Prepare tank for operation after fording
4. Open driver's hatch and adjust driver's seat and periscope

Prepare Tank for Biological Attack

Tank Commander Tasks

1. Operate commander's hatch
2. Operate intercommunications equipment
3. Operate gas particulate filter system

Gunner Tasks

1. Operate intercommunications equipment
2. Operate gas particulate system

Loader Tasks

1. Operate the loader's hatch
2. Operate intercommunications equipment
3. Operate gas particulate filter system

Driver Tasks

1. Operate intercommunications equipment
2. Operate gas particulate filter system
3. Close driver's hatch

Prepare Tank for Chemical Attack

Tank Commander Tasks

1. Operate commander's hatch
2. Operate intercommunications equipment
3. Operate gas particulate filter system

Gunner Tasks

1. Operate intercommunications equipment
2. Operate gas particulate system

Loader Tasks

1. Operate the loader's hatch
2. Operate intercommunications equipment
3. Operate the gas particulate filter system

Driver Tasks

1. Operate intercommunications equipment
2. Operate gas particulate filter system
3. Close driver's hatch

Prepare Tank for Nuclear Attack

Tank Commander Tasks

1. Operate intercommunications equipment
2. Operate commander's hatch
3. Adjust seat and platform
4. Operate gas particulate filter system

Gunner Tasks

1. Operate intercommunications equipment
2. Operate gas particulate system
3. Close ballistic shields
4. Traverse turret using power control handles

Loader Tasks

1. Operate intercommunications equipment
2. Operate the loader's hatch
3. Stow the crosswind sensor and antenna
4. Operate gas particulate filter system

Driver Tasks

1. Operate intercommunications system
2. Brake the tank
3. Close driver's hatch
4. Operate gas particulate filter system
5. Seek defilade position

**Prepare Tank for Water Crossing
(Without Deep Water Fording Kit)**

Tank Commander Tasks

1. Operate intercommunications equipment
2. Operate commander's power control handle

Gunner Tasks

Loader Tasks

Driver Tasks

1. Operate intercommunications equipment
2. Check turret seal and drain valves
3. Close driver's hatch

Pull Into a Concealed Position

Tank Commander Tasks

1. Operate intercommunications equipment
2. Adjust TC seat and platform
3. Operate commander's hatch

Gunner Tasks

1. Operate intercommunications equipment
2. Elevate/depress main gun using power control handle
3. Traverse turret using power control handle

Loader Tasks

1. Operate intercommunications equipment
2. Adjust loader's seat and platform
3. Install loader's night vision viewer
4. Operate loader's night vision viewer

Driver Tasks

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check driver's instrument panel switches and gauges
6. Perform during-operation maintenance checks

Pull Into a Hull Defilade Position

Tank Commander Tasks

1. Operate intercommunications equipment
2. Adjust TC seat and platform
3. Operate commander's hatch
4. Operate commander's power control handle

Gunner Tasks

1. Operate intercommunications equipment
2. Adjust gunner's seat, browpad, and chestrest
3. Elevate/depress main gun using power control handle
4. Traverse turret using power control handles

Loader Tasks

1. Operate intercommunications equipment
2. Adjust loader's seat and platform
3. Install loader's night vision viewer
4. Operate loader's night vision viewer

Driver Tasks

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check driver's instrument panel switches and gauges
6. Perform during-operations maintenance checks

Pull Into Turret Defilade Position

Tank Commander Tasks

1. Operate intercommunications equipment
2. Adjust TC seat and platform
3. Operate commander's hatch
4. Operate commander's power control handle

Gunner Tasks

1. Operate intercommunications equipment
2. Adjust gunner's seat, browpad, and chestrest
3. Elevate/depress main gun using power control handle
4. Traverse turret using power control handle

Loader Tasks

1. Operate intercommunications equipment
2. Adjust loader's seat and platform
3. Install loader's night vision viewer
4. Operate loader's night vision viewer

Driver Tasks

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check driver's instrument panel switches and gauges
6. Perform during-operations maintenance checks

Refuel Tank

Tank Commander Tasks

Gunner Tasks

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle

Loader Tasks

1. Operate portable fire extinguisher

Driver Tasks

1. Operate intercommunications equipment
2. Shut down engine
3. Refuel tank

Resupply Ammunition

Tank Commander Tasks

Gunner Tasks

Loader Tasks

1. Automatically operate ready ammo compartment door
2. Manually operate ready ammo compartment door
3. Manually close the ready ammo compartment door
4. Open the semi-ready ammo compartment door
5. Close the semi-ready ammo compartment door
6. Open the hull ammo compartment door
7. Close the hull ammo compartment door
8. Stow 105mm ammo in the hull ammo compartment
9. Stow 105mm ammo in the ready ammo compartment
10. Stow 105mm ammo in the semi-ready compartment
11. Stow 105mm ammo in the turret floor ready racks
12. Identify main gun ammunition

Driver Tasks

Search Assigned Sectors for Targets

Tank Commander Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Identify US and foreign equipment
4. Rank targets according to potential danger
5. Estimate range

Gunner Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Identify US and foreign equipment
4. Rank targets according to potential danger

Loader Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Identify US and foreign equipment
4. Rank targets according to potential danger

Driver Tasks

1. Operate intercommunications equipment
2. Acquire targets
3. Identify US and foreign equipment

Take Action Upon Misfire

Tank Commander Tasks

1. Operate intercommunications equipment
2. Clear misfire in commander's machinegun
3. Perform misfire procedures on main gun
4. Take immediate action for misfire of grenade launcher

Gunner Tasks

1. Operate intercommunications equipment
2. Identify malfunctions in fire control & weapon system
3. Perform main gun failure to fire procedures
4. Take recommended actions to correct malfunctions
5. Notify TC if recommended corrective actions do not correct

Loader Tasks

1. Operate intercommunications equipment
2. Open the breech manually
3. Close the breech manually
4. Perform the manual extraction of a round
5. Load the main gun

Driver Tasks

Take Action Upon Stoppage of Coaxial Machinegun

Tank Commander Tasks

1. Operate intercommunications equipment

Gunner Tasks

1. Operate intercommunications equipment
2. Identify malfunctions in fire control & weapon system
3. Clear coaxial machinegun
4. Clear misfire in coaxial machinegun
5. Take recommended actions to correct malfunctions
6. Load the coaxial machinegun
7. Notify TC if recommended corrective actions do not correct
8. Change barrel of coaxial machinegun

Loader Tasks

1. Operate intercommunications equipment
2. Clear the coaxial machinegun
3. Load the coaxial machinegun

Driver Tasks